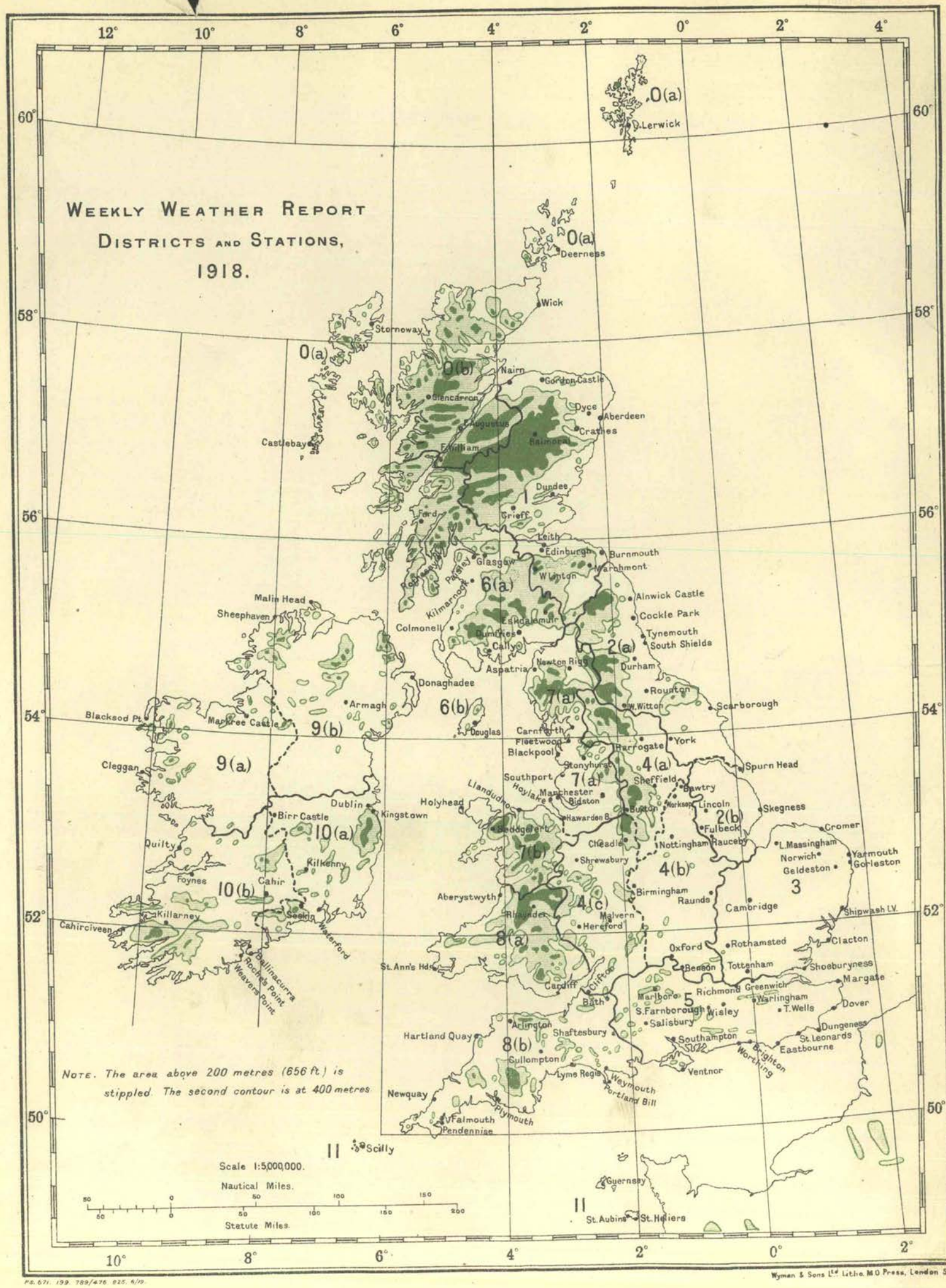
Weekly Weather Report
Districts and Stations, 1918.



NOTE. The area above 200 metres (656 ft.) is stippled. The second contour is at 400 metres.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1918.

PART I.

THE

WEEKLY WEATHER REPORT

(VOL. XXXIV.—NEW SERIES).

SECTION 1.—Particulars of Temperature, Rainfall and Bright Sunshine for each week, with quarterly and annual summaries, and an annual table of weekly and progressive values.

Published by the Authority of the Meteorological Committee.

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1919.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1918, PARTS I. & II.

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PREFACE.

For the convenience of libraries and others the various serial statistical publications of the Meteorological Office have been grouped since 1911 under the general title British Meteorological and Magnetic Year-book. The Year-book is in five parts :—

Part I.—The Weekly Weather Report. Issued weekly on Friday. Price 6*d*. Appendix I issued quarterly, Appendix II, annually.

Part II.—The Monthly Weather Report. Issued monthly on the 27th of each month, with a summary issued annually. Price 6*d*. each issue.

Part III.—Section I. Daily readings at stations of the First and Second Orders. Issued in monthly parts within about five weeks of the close of each month. Price 6*d*. each part. Annual Volume, 5*s*.

Section 2. The Geophysical Journal of the Observatories of the Meteorological Office. Issued in Monthly Parts. Price 1*s*. each part. Annual Volume, 10*s*.

Part IV.—Hourly Values from Autographic Records. Published at the end of each year. Price, 5*s*.

Part V.—Réseau Mondial. Monthly Values for Stations distributed over the Globe. Published in Yearly Volumes.

THE WEEKLY WEATHER REPORT.

The first number of the Weekly Weather Report was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884 when the page was enlarged to its present size. A short history of the Report is given in the introduction for 1916 ; for further information reference may be made to the Annual Report of the Meteorological Committee for the year ended 31st March, 1913, p. 37.

The Report consists of two sections. Section I. contains mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind. The publication of Section II. which consists of daily weather charts of the North Atlantic and surrounding continents has been suspended since August 1914.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for meteorological purposes are shown in the Frontispiece Map. Particulars of the stations will be found in the Introduction to the Monthly Weather Report or in Circular 001 J. The following Table gives the district value stations utilized in 1918.

DISTRICT-VALUE STATIONS, 1918.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick, Glencarron, Fort Augustus, Fort William.	Deerness, Stornoway, Fort Augustus	Lerwick, Deerness, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff, Leith, West Linton, Marchmont.	Grathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Leith.
2	Alnwick, Tynemouth, Durham, Rounton, Scarborough, York, Spurn Hd., Lincoln, Fulbeck.	Cockle Park, Durham, Scarborough, York, Rauceby, Skegness.	Tynemouth, Spurn Head.
3	Cromer, Little Massingham, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Cromer, Little Massingham, Yarmouth, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Bawtry, Nottingham, Birmingham, Raunds, Oxford, Cheadle, Shrewsbury or Tenbury, Hereford or Ross on Wye, Clifton.	Harrogate, Worksop, Nottingham, Birmingham, Oxford, Sheffield, Clifton.	Nottingham, Benson.
5	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Salisbury, Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Dover, St. Leonards, Southampton, Ventnor.	Dungeness, Dover, Richmond (Kew Obs.).
6	Ford, Glasgow, Rothesay, Kilmarnock, Colmonell, Dumfries, Cally, Douglas.	Glasgow, Douglas	Glasgow, Eskdalemuir
7	Aspatria, Newton Rigg, Stonyhurst, Blackpool, Southport, Liverpool, Hawarden Br., Manchester (Whit. Pk.), Llandudno, Holyhead.	Hoylake, Aspatria, Newton Rigg, Stonyhurst, Blackpool, Southport, Llandudno, Aberdovey.	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury, Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Hd., Blacksod Point, Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh	Malin Head. Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Cahir, Killarney, Cahirciveen (Val. Obs.), Roches Pt.	Dublin (Phœnix Park), Birr Castle, Cahirciveen (Val. Obs.), Ballinacurra.	Cahirciveen (Val. Obs.), Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey.

(22608—19.) Wt. 199—789/476. 625. 4/19. D & S. G. 17/ 40.

The following changes in the list of stations took place this year.

The Lerwick station was removed from Fort Charlotte, 59 feet, to Ander Hill, 468 feet, on May 16th. Tenbury was substituted for Shewsbury from the 34th week, and Ross on Wye for Hereford from the 48th week. Observations at Hampstead were suspended after the 46th week. Bettws-y-Coed, which stopped after the 46th week of 1917, was replaced by Beddgelert beginning with the 6th week of 1918. Observations at Aberdovey ceased after the 2nd week of the year, and the station at Hartland Quay was closed after the 40th week. The station at Waterford was transferred from Rocklands, 20 feet, to Gortmore, 120 feet, beginning with the 37th week.

Autographic wind records at Spurn Head were discontinued after the 40th week of 1917, and the instrument at South Kensington has been dismounted since the 37th week of 1918.

APPENDICES.

Appendix I. shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the normal, (3) the mean temperature and its difference from the normal and (4) the duration of bright sunshine and its percentage of the normal.

In addition to the normals for the 35 years 1881–1915 figures are given for the years 1911 to 1918, and for each of the six lustra in the period 1881–1915. The corresponding data for the individual years 1878–1910 are given in the Appendix for 1910 so that this Appendix presents in a convenient form the character of the seasons throughout the period of 41 years.

Appendix II. contains a résumé of the District Values for the weeks of the year. It is prepared with a view to discussion of the influence of weather on crops or on the public health.

Meteorological Office,
London, S.W. 7.
April, 1919.

H. G. LYONS,
Director.

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METEOROLOGICAL OFFICE.

WEEKLY WEATHER REPORT, 1918.

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES.

The first page gives a summary of the whole information for the week as much as possible in words and as little as possible in figures. It begins with a general summary in words and then a summary of wind components based upon the records of anemometers in different parts of the country. The numerical summary of temperature, rainfall and sunshine for each district is given on the fourth page. The summaries are based on the information for the individual stations set out on the two inner pages.

Table II. Wind Components.

This table gives the reader an idea of the character of the weather of the week as regards the frequency of northerly, southerly, easterly or westerly winds, information which is frequently required, especially by medical officers, when the conditions favourable to warmth, rainfall and sunshine are under consideration.

The table gives the frequency of occurrence and the mean value for the week of the components of wind as recorded at Deerness (Scotland, N.), Edinburgh, Great Yarmouth (England, E.), Kew Observatory, Richmond (London), Holyhead (North Wales), Scilly (England, S.W.), Kingstown (Dublin) and Valencia Observatory, Cahirciveen (Ireland, S.W.).

The strength of the wind at Edinburgh is measured by a Dines tube-anemograph, at the other stations by cup-anemographs of the Robinson pattern. Particulars as to the heights at which the anemometers are exposed will be found in the Monthly Weather Report. The records obtained are tabulated hourly; directions are given to the nearest even point, and the values of the wind components are worked out daily for the four hours centering at 3h., 9h., 15h. and 21h. Each result is taken as representative of the quarter of a day. and the number of times a component occurs is entered as its "frequency." The frequency of calm is obtained similarly. Direction is not tabulated when the speed of the wind is less than 1·5 metres per second, and winds of less than that speed are counted as "calm."

It should be noticed that if the mean direction for the hour is within 1 point ($11\frac{1}{4}^{\circ}$) of E. or of W. no North or South component is entered. Accordingly, the sum of the frequencies of North and South components and of calms is not always equal to 28.

Table III. Warmth, Rainfall and Sunshine. Comparison with Normal.

(The Classification is based upon the Values for each District published in Table VI. of each Weekly Issue.)

Warmth.—The week's warmth is called **unusual** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.**

Rainfall.—The week's rainfall is called **heavy** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without rain, the word **nought** is inserted in the column for the district.

Sunshine.—The week's sunshine is called **abundant** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without sunshine the word **nought** is inserted in the column for the district.

The classification may be put briefly in tabular form as below, and a similar table applies to Rainfall and Sunshine also. For the latter elements a week for which the value is **nought** counts as a **very light** or **very scanty** week.

Classification for Warmth.

Number of weeks on the Average in 12 years.					
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.	Total.
1	3	4	3	1	12

The normals referred to above are the smoothed normals of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in a paper by R. G. K. Lempfert: "A New Method of Treating Meteorological Statistics," Journal of the Board of Agriculture, Vol. xiv, No. 1, April 1907.

(15622—19.) Wt. 153—S.O.P. 441. 1500. 3/18. D & S. G. 17/ 40.

In the Summaries for the current season the first figures (**large thick type**) in each column denote the number of weeks of **unusual** warmth, **heavy** rainfall and **abundant** sunshine in each district. The second figures (**small thick type**) denote the number of **moderate** weeks. The third figures (ordinary type) denote the number of weeks of **deficient** warmth, **light** rainfall, **scanty** sunshine. **Very unusual** weeks are included with **unusual weeks** in this table, and so for the other extreme characters.

Table IV. Temperature, Rainfall and Sunshine at Stations in the British Isles.

TEMPERATURE.—(*a*) **Of the Air.**—In general the temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvred screen, on a four-legged stand, at a height of about 4 feet above the ground. At Greenwich and at Camden Square, Glaisher stands are in use, and the extreme readings by day and by night are likely to be respectively higher and lower than the air temperature. The hours of observation are generally those given in the Monthly Weather Report, but for the observatories at Aberdeen, Eskdalemuir, Richmond and Cahirciveen the 7h. observations are utilised. The thermometers are read and set at the hour of morning observation (7h. or 9h. G.M.T.) at stations marked *a*, and at the hour of evening observation (generally 21h.) at the stations marked *p*. At the former the maximum temperature is entered to the day preceding that on which it is read, and at the latter to the day of reading. The minimum temperature is entered in all cases to the day of reading.

The mean temperature published in this Report is calculated from the maximum and minimum but is intended to represent the true mean temperature for the week. It differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If X and N are the means of the daily maxima and minima, the amounts to be added or subtracted from $\frac{1}{2}$ (X + N) to get the mean temperature are shown in the following table* :—

Month.	Jan. and Dec.	Feb. and Nov.	Mar. and Oct.	Apr. and Sept.	May and Aug.	June and July.
Amount	Add $\frac{1}{50}$ (X—N)	Nil	Subtract $\frac{3}{200}$ (X—N)	Subtract $\frac{6}{250}$ (X—N)	Subtract $\frac{3}{100}$ (X—N)	Subtract $\frac{7}{200}$ (X—N)
Simple Approximate Value.			$\frac{1}{70}$ (X—N)	$\frac{1}{40}$ (X—N)	$\frac{1}{30}$ (X—N)	$\frac{1}{30}$ (X—N)

* The table is based on formulae proposed by General Strachey and derived from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office. (*See* Q.W.R. 1878. App. II.) In the summer the mean of the maximum an minimum temperatures is higher than the true mean for the day as the highest temperatures do not last for many hours. In midwinter it happens frequently that the same cold night gives a low minimum for two consecutive periods of 24 hours, so that the mean temperature derived from the maximum and minimum readings is too low and requires a positive correction. Strachey's investigation referred in the first instance to maxima and minima for the 24 hours ending at midnight. The formulæ are used, however, in this report for readings at 7h., 9h. or 21h. How closely the "Strachey means" agree with the true mean temperatures in such circumstances has not been determined.

(*b*) **On the Grass.**—The "temperature on the grass" is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, *i.e.*, about 2 inches above the ground. The grass minimum thermometer does not record the temperature of the air at its own level but rather its own temperature, *i.e.*, that of a bulb filled with spirit, losing heat by radiation in all directions and receiving heat by radiation from the clouds, from the atmosphere itself, from the ground and from surrounding objects, and by contact with the air. Although the thermometer does not give the temperature of the air or of the grass-blades, its readings do indicate the circumstances in which those temperatures are high or low. A night is reckoned as a night of ground frost if the minimum indicated is 30°·4 F. or below.

(*c*) **In the Ground.**—The temperature of the ground is obtained from thermometers whose bulbs are embedded in a non-conducting material (usually paraffin wax) contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. The readings usually refer to the epoch 9h. G.M.T. Separate iron tubes are used for the 1 foot and 4 feet thermometers.

(*d*) **Of the Sea.**—The temperature of the sea-water is taken from a place where the water is not less than 6 feet deep at low tide and refers to water at least 1 foot below the surface.

RAINFALL.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, *i.e.*, the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground.

A rain-day is a day on which ·01 inch or 0·2 mm. of rainfall is recorded during the period of 24 hours referred to above. As it is the practice to count measurements which lie intermediately between two exact numbers as belonging to the higher number if they lie nearer to it (or half-way between the two) and as belonging to the lower number if they lie nearer to *it*, the exact limits of the amount of rain which determines a rain-day are ·005 inch or ·15 mm. respectively. Days on which precipitation is deposited in the form of dew or hoarfrost are not counted as rain-days in this Report, but they are counted as days of precipitation in the Monthly Weather Report.

SUNSHINE.—The records are obtained from recorders in which the sun's rays are concentrated upon a blue card of definite composition and colour by means of a lens of definite size and refractive index. The specification is given in the Observers' Handbook, M.O. 191. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than that which would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

Table V. Summary of Autographic Records of Wind.

WIND.—All the records are obtained from instruments of the Dines Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind in an open horizontal tube facing the wind, and partly by the suction of the wind passing rows of holes in a vertical tube. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

In setting out the distribution of winds according to mean speeds the limits assigned to the several numbers of the Beaufort scale of wind-force have been observed.

It is now recognised that the mean speed of the wind varies rapidly with height so that the same gale will be represented by different wind speeds recorded by two anemometers at different heights at the same place. Of the anemometers which were used in the discussion of the Beaufort scale by Simpson (M.O. publication 180) those at Scilly had the best exposure. Accordingly the table which is based on that discussion may be regarded as giving the speed measured at 10 metres (33 ft.) above the ground in the open corresponding with winds of various strengths as judged by the effect on shipping at sea or on trees, &c., on land.

Beaufort Scale.		Calm. 0	Light Air. 1	Slight Breeze. 2	Gentle Breeze. 3	Modte. Breeze. 4	Fresh Breeze. 5	Strong Breeze. 6	High Wind. 7	Gale. 8	Strong Gale. 9	Whole Gale. 10	Storm. 11	Hurricane. 12
Mean wind speed at 33 feet.	mi/hr	Less than 1	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
	m/s	Less than 0·3	0·3 to 1·5	1·6 to 3·3	3·4 to 5·4	5·5 to 7·9	8·0 to 10·7	10·8 to 13·8	13·9 to 17·1	17·2 to 20·7	20·8 to 24·4	24·5 to 28·4	28·5 to 33·5	Above 33·5
W.W.R. groups ...		←	→	←	→	←	→	←	→	←	→			

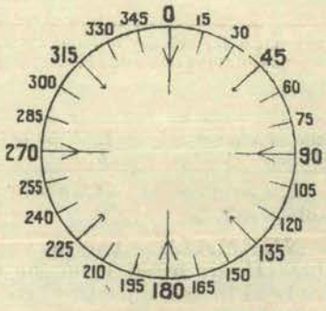
The classification of the winds in Table V. of the Weekly Weather Report is such that for an anemometer well exposed at 33 ft., the groups correspond with Beaufort-forces 0 and 1, 2 and 3, 4 and 5, 6 and 7, 8 and above respectively. For all the anemometers the same limits of wind speed (in metres per second) are adopted, viz., 0 to 1·5, 1·6 to 5·4, 5·5 to 10·7, 10·8 to 17·1, 17·2 and upwards.

The adjustment of the recording part of a Pressure Tube anemograph to give correct readings in the lower part of the scale is difficult so that in using the table of wind distribution less weight should be attached to the distinction made between the two lowest groups than to the other breaks in the series.

The highest hourly wind refers to an hour centering at an exact hour of G.M.T. The speed is expressed in metres per second. The direction is given in degrees measured from North through East. It is referred to true, that is geographical, as distinguished from Magnetic North. It has been decided that the angle made with North is to be given to the nearest 15°, but in the meantime with the charts in use at most stations the direction is estimated in the first instance to the nearest 'point.' In converting 'points' to degrees the odd halves or quarters are ignored, thus NNW. is entered as 337°, S. by E. as 169°.

The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean speed.

The gusts are obtained by taking the highest excursion on the "ribbon." The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.



Wind Protractor.

Times are Greenwich Mean Civil Time (Noon G.M.T. = 12h., 6 p.m. = 18h.). Summer-Time is not used. When an anemometer is on the top of a building the approximate height above the top of the building is shown in the appropriate column. For stations where the head of the anemometer is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to effect appreciably the recorded speed, the symbol ‡ signifying "standard mounting" is shown in this column. The vane of the pressure tube anemograph at Kew Observatory, Richmond, is level with the Robinson cups. It is 22 ft. above the main roof of the Observatory, 6 ft. above a wooden staging erected for wind observation. The vane of the tube anemograph at Aberdeen is 37 ft. above the tower, 52 ft. above the main roof of the College.

At Aberdeen, Holyhead and Scilly the vane is not connected to a Direction Recorder; in these cases the direction is taken from the Robinson-Beckley anemograph. The wind direction at Pendennis Castle is taken from the Robinson-Beckley anemograph at Falmouth.

In addition to the results from tube anemographs, the table includes summaries of the readings from the cup anemographs at Deerness, Yarmouth, Falmouth and Kew. These are all of the standard pattern with 9 inch cups. The "factor" 2·2 is assumed at all speeds.

Table VI. District-Values of Temperature, Rainfall, Sunshine—Duration and Pressure.

DISTRICT-VALUES.—Except in the case of "Accumulated Temperature" the District-Values are the means of the station-values for each district

The stations used for the computation of district-values have not been the same during the whole period of the Report, but when a station lapses it is, if possible. replaced by another in the neighbourhood for which the averages of rainfall, temperature and sunshine are similar. A list of the stations for 1918 will be given in the Introduction to the annual volume of the Weekly Weather Report.

The District-Values of Pressure are obtained from the observations at 7h. and 18h. published in the Daily Weather Report. No correction for diurnal range is applied.

The means of daily maximum, minimum and mean temperature, and the deviation of the mean temperature from the normal are expressed in degrees on the Absolute Scale of temperature. The zero of this scale is 273° C. below 0° C., the freezing point of water, and the degree interval is identical with that of the Centigrade thermometer.

For theoretical and practical reasons this scale is to be adopted in all parts of the British Meteorological and Magnetic Year-book. For the present the Temperatures in Table III. of this Report and also the Accumulated Temperatures in Table VI. remain on the Fahrenheit scale.

ACCUMULATED TEMPERATURE.—The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or base-temperature. For Districts, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The following rules* are followed in making the computation of accumulated temperature in the four cases which may occur. In each case the accumulated temperature is found from the District-Values of Maximum, Minimum and Mean Temperature.

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F.	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F.	There is none.	Subtract the mean from 42° F.

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

NORMALS.—The normals of air temperature and of rainfall and sunshine for the individual stations in Table III. are based upon the monthly normals for these stations for the years 1881–1915. The present normals have been in use since the first week of 1917. The normals for the period 1881–1905 were in use from 1908 to 1916.

The averages for Ground Temperature used in Table III. were computed from the weekly values published in the Reports for the years 1907–1915. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 9 years were not available.

The normals used in Table VI. are derived from the weekly district values published in the Report but they have been adjusted in cases where the selection of stations for the district differed materially from the selection now used. These normals are for the 35 years 1881–1915.

METEOROLOGICAL OFFICE,
SOUTH KENSINGTON,
London, S.W.7.

NAPIER SHAW,
Director.

* *c.f.*, Strachey: Quarterly Weather Report, 1878 [p. 19].

EXAMINED BY AUTHORITY FOR ISSUE

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) No. 1.

THE FIRST WEEK OF 1918.

SUNDAY, DECEMBER 30TH, 1917, TO SATURDAY, JANUARY 5TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

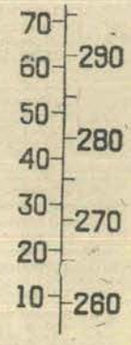
Anticyclonic conditions were maintained during the week and severe cold weather was general. At the beginning of the week the highest pressure was found in a belt stretching west and east across Scotland and the North Sea, and East winds were general over the British Isles. The high pressure was maintained in the west, but the run of the isobars was gradually modified by the development of a "Low" in the neighbourhood of the Baltic and the wind over Scotland and all but the most southern counties of England and Ireland backed to North-West.

There was very little precipitation during the week, but a few centimetres of snow were reported at various places, the most noteworthy being 6 cm. in Guernsey on the night of the 31st.

For the western districts, the District-Values for rainfall work out at about 1 mm., whereas the normal values are near to 20 mm. There was a little more precipitation in the eastern districts. Overcast skies were perhaps the rule, but there was more sunshine than is usual at this time of year. The 3rd was bright in all parts of the country, as much as 7 hours of bright sunshine being recorded at St. Leonards. It was on the following night that the lowest temperatures of the week were recorded at most places; 264·5 a. was registered as the minimum at Rhayader in Radnorshire, at Marlborough, and at Cullompton in Devonshire. There was fog in the Thames valley the next morning.

For the week as a whole both maximum and minimum temperatures averaged much lower in the south than in the north. Judged by mean temperature this was the coldest first week of the year in District 8, England, S.W., since 1908; in District 11, English Channel, since 1894.

Lunar halos were seen at Fort Augustus on the 30th and at Aberdeen on the 1st. The zodiacal light was observed at Oxford and Aberdovey on the 3rd. At Dublin and also at Kilmarnock rainbows were noticed on days when no measurable rain fell.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		*ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	+ 2	+ 1·4	1	1·7	2	1·2	2	0·5	2	1·2	—	—	1	1·8	1	2·3
North	+ 20	+ 5·4	16	2·3	24	4·0	19	3·9	24	3·1	—	—	19	4·7	24	4·0
West	+ 23	+ 6·1	15	4·6	13	2·9	8	2·0	9	4·8	—	—	11	4·5	1	2·2
East	+ 1	+ 1·0	9	2·6	12	9·0	16	3·4	17	6·2	—	—	14	6·0	25	4·6
Calm	+ 4	—	1	—	0	—	3	—	1	—	—	—	1	—	2	—

* Anemometer under repair.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Very deficient	Moderate	Deficient	Very deficient
Rainfall ...	Light	Very light	Light	Light	Light	Light	Very light	Light	Light	Light	Very light	Light
Sunshine ...	Scanty	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 5 weeks from Dec. 2nd, 1917. Warmth ...	0, 4, 1	0, 4, 1	0, 3, 2	0, 1, 4	0, 2, 3	0, 0, 5	0, 2, 3	0, 4, 1	0, 0, 5	0, 4, 1	0, 1, 4	0, 0, 5
Rainfall ...	0, 2, 3	1, 0, 4	1, 1, 3	0, 3, 2	0, 2, 3	0, 3, 2	0, 3, 2	0, 2, 3	0, 0, 5	0, 2, 3	0, 2, 3	0, 4
Sunshine ...	1, 2, 2	4, 1, 0	2, 3, 0	2, 3, 0	2, 3, 0	2, 3, 0	3, 2, 0	2, 3, 0	4, 1, 0	2, 1, 2	1, 3, 1	0, 5, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/ = 2·24 miles per hour.

(15317—19.) Wt. 153—442. 450. 1/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.
a, Islands .. a Lerwick ..	51	45	1,5	24	3rd	41·7	32·3	37·2	− 1·9	7	0·47	12	− 10
p Deerness ..	160	45	1st	28	3rd	42·1	35·3	38·8	—	5	0·55	14	− 4
a Stornoway ..	31	46	1st	29	3rd	43·7	35·4	39·7	+ 0·5	5	0·35	9	− 18
a Castlebay, Barra Isd.	37	46	30,1,2	35	3,4	45·3	38·9	42·2	+ 0·2	4	0·13	3	—
b, Mainland. a Wick ..	81	45	1,4	28	3rd	43·1	34·1	38·8	+ 0·8	6	0·37	10	− 3
p Glencarron ..	500	44	2	29	3	40·3	32·3	36·5	− 0·5	4	0·73	19	− 30
p Fort Augustus ..	68	45	2,4	24	30th	41·7	29·3	35·8	− 1·8	1	0·01	0	− 27
p Fort William ..	171	46	2nd	25	31st	39·9	31·3	35·8	− 3·0	4	0·13	3	− 44
1. SCOTLAND, E.													
a Nairn ..	82	45	4th	30	2,3	41·9	33·6	37·9	+ 0·9	3	0·09	2	− 10
p Gordon Castle ..	101	47	5th	29	1,3	42·4	33·7	38·2	+ 0·3	4	0·10	3	− 10
a Aberdeen ..	46	46	1,5	29	3,4	43·0	35·3	39·3	+ 1·6	4	0·09	2	− 13
a Balmoral ..	930	42	2,4,5	25	4th	37·4	29·1	33·4	− 0·7	4	0·17	4	− 12
p Crieff ..	432	49	4th	26	3,4	41·9	28·7	35·6	− 1·2	0	0·00	0	− 24
a Dundee ..	244	47	4th	27	4th	42·1	31·3	36·9	—	1	0·02	1	− 12
a Leith ..	30	45	4th	29	4th	42·1	34·9	38·6	− 0·5	1	0·04	1	− 9
p Edinburgh ..	441	43	4th	27	3rd	40·3	33·0	36·8	—	1	0·05	1	− 10
a West Linton ..	769	41	2,4	23	4th	39·1	30·1	34·8	+ 0·8	2	0·08	2	—
p Marchmont ..	498	46	4th	25	4th	41·1	30·6	36·1	− 0·2	3	0·08	2	− 12
6. a, SCOTLAND, W.													
a Ford (Argyll) ..	149	47	2nd	21	4th	43·9	28·4	35·6	—	2	0·25	6	—
p Glasgow Observatory	180	46	2nd	28	3rd	41·1	33·7	37·6	− 0·8	3	0·09	2	− 18
p Rothesay ..	200	45	4th	28	3,4	41·9	33·4	37·8	− 1·5	3	0·13	3	− 25
a Kilmarnock ..	90	47	2nd	22	4th	43·6	31·6	37·8	+ 0·3	2	0·02	1	− 21
a Colmonell ..	170	49	2nd	22	4th	44·1	30·9	37·8	− 1·2	1	0·01	0	− 28
p Cally, Gatehouse ..	120	45	2nd	19	4th	43·4	30·7	37·3	− 0·8	2	0·08	2	− 26
p Dumfries ..	160	45	2,4	24	3,4	42·3	31·7	37·2	− 0·5	0	0·00	0·1	− 19
a Eskdalemuir ..	794	43	4th	19	4th	39·1	28·4	34·0	—	5	0·14	4	—
b, I. OF MAN p Douglas ..	277	46	2nd	27	3rd	42·6	33·9	38·4	− 2·3	1	0·02	1	− 22
2. ENGLAND, N.E.													
a North .. a Alnwick Castle ..	210	45	4th	26	4th	42·0	33·0	37·7	0·0	5	0·32	8	− 9
a Tynemouth ..	71	42	31,1	25	4th	40·1	33·7	37·0	− 1·4	4	0·36	9	− 1
p Durham ..	336	45	2	25	3	40·7	30·9	36·0	− 0·9	5	0·31	8	− 4
p Rounton ..	249	41	1,4	19	4th	39·4	29·1	34·5	− 2·4	5	0·20	5	− 8
a West Witton ..	605	42	1,2	24	4th	39·6	32·3	36·1		4	0·22	6	—
p Scarborough ..	100	43	31,1-3	30	3rd	42·4	36·8	39·3	+ 0·8	6	0·42	11	− 4
p York ..	56	43	4th	24	4th	40·1	32·4	36·4	− 1·4	4	0·10	3	− 10
b South .. a Spurn Head ..	26	41	31st	28	4th	38·9	32·6	35·9	− 2·6	4	0·21	5	− 6
a Lincoln ..	58	42	31st	23	4th	38·8	30·5	34·8	− 2·3	3	0·05	1	− 12
a Fulbeck ..	180	40	31st	22	4th	37·0	29·7	33·5	− 3·6	4	0·17	4	− 9
3. ENGLAND, E.													
p Cromer ..	196	41	2nd	26	4th	38·3	31·0	34·8	− 3·2	4	0·07	2	− 9
a Little Massingham ..	280	38	31,2,3	26	4th	36·9	29·3	33·3	− 3·6	2	0·15	4	− 12
a Yarmouth ..	13	43	2nd	24	4,5	38·1	30·0	34·2	− 3·6	3	0·14	4	− 9
a Norwich ..	93	43	2nd	24	4th	37·4	29·9	33·8	− 3·6	6	0·15	4	− 11
a Geldeston ..	37	43	2nd	21	4th	38·6	27·6	33·3	− 4·7	2	0·13	3	− 10
p Cambridge ..	41	40	31,2	21	4th	38·3	29·6	34·1	− 3·5	3	0·04	1	− 10
a Clacton-on-Sea ..	54	39	31,2	25	4,5	37·4	30·3	34·0	− 4·0	1	0·01	0·3	− 10
a Rothamsted ..	424	39	2nd	21	4th	35·9	28·0	32·1	− 5·2	3	0·03	1	− 14
p Tottenham ..	51	41	2nd	24	4th	37·9	30·0	34·1	− 4·8	2	0·03	1	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate ..	479	42	2nd	22	4th	38·4	30·9	34·8	− 1·8	4	0·09	2	− 15
p Sheffield ..	429	44	2nd	26	4th	39·1	32·4	35·9	—	1	0·03	1	—
p Buxton ..	987	—	—	—	—	—	—	—	—	—	—	—	—
b, East .. a Bawtry ..	65	42	2nd	23	4th	39·0	31·1	35·2	− 2·0	1	0·01	0	− 12
a Nottingham ..	82	42	2nd	23	4th	38·6	30·0	34·5	− 3·1	3	0·12	3	− 10
p Birmingham, Edgbsn.	535	40	2nd	25	4th	38·0	31·1	34·7	− 3·0	3	0·05	1	− 14
a Raunds ..	203	41	2nd	20	4th	37·6	26·9	32·5	− 4·1	2	0·13	3	− 9
p Oxford ..	208	38	31,2	21	4th	36·7	29·1	33·1	− 5·3	2	0·06	2	− 11
c, West .. a Cheadle (N. Staffs.) ..	646	43	2nd	23	4th	37·7	29·6	33·8	− 2·6	1	0·04	1	− 17
p Shrewsbury ..	191	42	2nd	28	2nd	39·6	33·8	36·7	− 2·4	1	0·02	1	− 11
a Hereford§ ..	291	44	2nd	19	4th	38·4	29·9	34·3	− 3·7	1	0·05	1	− 14
a Clifton ..	229	42	2nd	23	4th	38·1	29·7	34·1	− 5·6	2	0·07	2	− 20
5. ENGLAND, S.E.													
a Marlborough ..	424	39	2nd	17	4th	35·9	26·9	31·6	− 6·1	3	0·04	1	− 15
p Salisbury (Wilton) ..	180	41	2nd	19	4th	37·4	27·4	32·6	− 5·6	1	0·03	1	− 18
a Wisley, Surrey ..	150	38	5th	21	4th	36·4	28·1	32·4	− 6·2	2	0·02	1	− 10
a Tunbridge Wells ..	354	38	2nd	21	4th	36·1	28·6	32·5	− 5·8	3	0·15	4	− 12
a Margate ..	51	40	2nd	26	4th	38·3	30·9	34·8	− 4·9	2	0·05	1	− 9
a Dungeness ..	21	39	30,1,2	21	4,5	38·1	28·0	33·3	− 6·6	2	0·06	1	− 11
p St. Leonards ..	178	40	2nd	24	4th	37·7	30·1	34·1	− 6·0	3	0·17	4	− 10
p Southampton ..	64	41	2nd	21	4th	37·9	29·3	33·8	− 6·6	2	0·01	1	− 16
a Ventnor ..	59	41	2,5	26	4th	38·9	30·6	34·9	− 7·3	4	0·13	3	− 13
LONDON. p Richmond (Kew Obs.)	18	40	2nd	23	4th	37·8	29·8	34·0	− 5·1	2	0·02	1	− 10
a Westminster ..	27	42	2nd	23	4th	38·7	29·5	34·3	− 5·7	1	0·02	1	− 9
ag Greenwich ..	149	40	2nd	23	4th	37·0	29·0	33·2	− 6·7	2	0·01	1	− 9
a Hampstead ..	450	38	2nd	21	4th	35·6	27·1	31·5	—	2	0·03	1	—
ag Camden Square ..	110	40	2nd	23	4th	37·3	28·7	33·2	− 5·9	2	0·04	1	− 10
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	42	2nd	23	3,4	39·3	30·4	35·0	− 3·0	2	0·04	1	− 20
p Newton Rigg ..	559	41	1,4,5	20	4th	38·9	29·7	34·5	− 2·2	4	0·07	2	− 19
p Stonyhurst ..	375	41	31,1	23	3rd	39·9	31·7	36·0	− 1·9	1	0·10	3	− 23
p Blackpool ..	66	44	1st	25	4th	42·0	33·1	37·7	− 1·2	3	0·04	1	− 16
a Southport ..	37	42	1,4,5	27	4th	40·9	33·9	37·5	− 1·4	2	0·02	1	− 15
a Liverpool (Bidston) ..	188	43	2nd	29	4th	40·7	34·1	37·5	− 2·1	1	0·01	0·2	− 14
a Hawarden Bridge ..	22	45	2,5	29	4th	42·4	34·0	38·4	− 1·8	2	0·09	2	− 10
p Manchester (Whit. Pk.)	125	41	4,5	24	4th	39·0	31·4	35·4	− 3·8	2	0·07	2	− 14
b. NORTH WALES.													
p Llandudno ..	16	46	2nd	29	2,3	42·3	34·3	38·5	− 3·1	2	0·08	2	− 14
a Holyhead ..	15	48	2nd	32	4th	43·3	36·7	40·1	− 2·0	0	0·00	0	− 20
a Aberdovey ..	22	47	2nd	28	4th	41·3	34·4	38·0	—	2	0·05	1	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	0·0	− 0·7	0	•	•	•	•	•	•
Stornoway ..	0·6	− 0·2	10	•	•	•	•	•	•
Castlebay ..	0·6	—	9	•	•	•	•	•	•
Fort Augustus ..	0·0	− 0·5	0	•	•	•	•	•	•
Nairn ..	1·0	—	15	•	•	•	•	•	•
Gordon Castle ..	0·5	—	8	•	•	•	•	•	•
Aberdeen ..	1·0	− 0·1	15	3	26	•	•	40·0	−0·9
Balmoral ..	•	•	•	5	22	•	•	•	•
Crathes ..	1·0	− 0·2	15	5	24	34·8	−1·2	38·5	−0·5
Dundee ..	2·0	—	29	5	20	34·0	•	•	•
Leith ..	•	•	•	4	23	•	•	•	•
Edinburgh ..	1·6	+ 0·3	23	2	23	•	•	•	•
West Linton ..	1·3	—	19	5	18	•	•	•	•
Marchmont ..	1·3	+ 0·3	19	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	6	16	34·5	•	40·6	•
Glasgow ..	1·4	+ 0·9	20	4	22	•	•	•	•
Rothesay ..	1·8	—	26	4	21	37·1	•	42·0	−1·2
Kilmarnock ..	1·4	—	20	•	•	36·2	•	41·2	•
Colmonell ..	•	•	•	5	19	•	•	•	•
Dumfries ..	1·4	—	20	6	13	35·5	−3·5	40·1	−1·7
Eskdalemuir ..	1·5	—	21	5	12	•	•	•	•
Douglas ..	2·9	+ 1·6	40	3	22	•	•	•	•
Cockle Park ..	0·5	− 0·8	7	3	21	35·8	−1·5	39·3	−1·3
Durham ..	0·7	− 0·4	10	•	•	•	•	•	•
Rounton ..	•	•	•	5	21	36·5	•	•	•
West Witton ..	•	•	•	3	20	36·6	•	40·5	•
Scarborough† ..	0·1	− 0·9	1	•	•	•	•	45·0	•
York ..	0·7	0·0	10	•	•	37·7	−2·0	42·0	−1·2
Spurn Head ..	1·1	—	15	•	•	•	•	•	•
Lincoln ..	•	•	•	4	17	35·0	−3·2	41·0	−1·8
Rauceby ..	1·2	0·0	16	•	•	36·2	−3·8	42·7	−1·5
Skegness ..	1·5	+ 0·1	20	•	•	•	•	•	•
Cromer ..	1·5	0·0	20	•	•	•	•	•	•
Lit. Massingham	1·8	+ 0·5	24	•	•	•	•	•	•
Yarmouth ..	1·3	—	17	4	19	37·4	−2·4	44·1	−0·4
Norwich ..	1·6	—	21	6	19	33·8	•	•	•
Geldeston ..	1·6	+ 0·1	21	•	•	•	•	•	•
Cambridge ..	1·1	− 0·3	14	2	24	35·8	−4·0	41·8	−2·4
Clacton ..	1·5	− 0·1	20	4	20	36·3	−5·1	42·5	−3·2
Rothamsted ..	1·7	+ 0·3	22	5	18	35·4	•	•	•
Tottenham ..	0·9	—	12	•	•	•	•	42·2	−3·5
Harrogate ..	0·8	− 0·5	11	3	18	37·0	−2·5	40·0	−1·4
Sheffield ..	0·5	− 0·6	7	•	•	36·2	−2·9	41·9	−1·3
Buxton ..	•	•	•	•	•	•	•	•	•
Worksop ..	0·9	− 0·1	12	4	16	36·1	•	40·3	•
Nottingham ..	0·8	− 0·1	11	4	17	34·7	−3·7	39·0	−2·6
Birmingham ..	0·4	− 0·5	5	3	16	37·6	−3·4	44·3	−1·1
Raunds ..	1·1	—	15	6	11	36·8	—	44·8	•
Oxford ..	1·7	+ 0·3	22	5	15	•	•	•	•
Cheadle ..	•	•	•	5	18	•	•	•	•
Shrewsbury ..	•	•	•	3	19	•	•	•	•
Malvern§ ..	1·7	—	22	5	14	35·7	•	41·0	•
Clifton ..	2·2	—	29	4	20	•	•	•	•
Worthing ..	1·9	+ 0·1	24	5	18	36·9	−4·6	44·0	−2·0
Marlborough ..	1·5	+ 0·3	20	5	13	35·5	•	43·5	•
Salisbury ..	•	•	•	5	17	35·2	•	•	•
Wisley ..	0·7	− 0·7	9	7	10	36·6	−4·1	42·3	−2·2
Tunbridge Wells	1·3	...	17	6	14	37·6	−1·9	43·0	•
Margate ..	0·7	− 0·7	9	3	23	37·4	−4·8	42·8	−2·4
Folkestone ..	1·6	•	20	•	•	•	•	43·9	•
St. Leonards ..	2·4	+ 0·6	30	6	22	35·6	•	42·6	•
Southampton ..	1·6	+ 0·1	20	4	10	•	•	•	•
Ventnor ..	2·7	+ 1·0	34	•	•	•	•	•	•
Richmond ..	0·7	− 0·5	9	5	17	34·5	−6·1	41·9	−3·2
Westminster ..	0·3	− 0·3	4	4	23	•	•	•	•
Greenwich ..	0·5	− 0·7	7	5	19	•	•	•	•
Hampstead ..	1·1	—	14	7	13	•	•	•	•
Camden Square	0·5	− 0·2	7	5	21				
Aspatria ..	1·1	0·0	16	4	17	36·5	−4·0	41·9	−2·3
Newton Rigg ..	1·0	0·0	14	7	17	36·1	−3·1	40·7	−1·2
Stonyhurst ..	1·1	+ 0·3	15	3	17	•	•	•	•
Blackpool ..	1·7	+ 0·6	23	5	13	38·9	•	44·7	•
Southport ..	2·0	+ 0·9	27	4	19	34·8	−3·8	40·2	−1·6
Hoylake ..	1·3	0·0	18	•	•	•	•	•	•
Liverpool ..	1·5	—	20	4	20	•	•	•	•
Manchester (City)	0·2	− 0·1	3	3	22	35·6	−3·8	42·3	−1·8
Whitworth Park	0·1	− 0·3	1	•	•	•	•	•	•
Llandudno ..	1·2	− 0·1	16	•	•	•	•	•	•
Holyhead ..	1·0	—	14	2	24	•	•	•	•
Aberdovey ..	2·2	+ 0·9	29	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.		Deviation from Normal	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. a, SOUTH WALES																							
a Aberystwyth	59	44	2nd	24	4th	40·3	32·3	36·5	—	2	0·06	2	—	Aberystwyth ..	2·1	+ 0·7	28	*	*	*	*	*	*
a Rhayader	757	43	2nd	17	4th	37·4	29·7	33·7	—	2	0·11	3	—	Rhayader ..	1·8	—	24	4	12	*	*	*	*
a St. Ann's Head	149	41	1, 2, 4, 5	29	4th	40·0	33·4	36·8	− 6·3	1	0·04	1	− 21	St. Ann's Head	2·4	+ 0·9	31	*	*	*	*	*	*
p Cardiff	202	42	2nd	23	4th	39·1	31·4	35·4	− 3·9	1	0·01	0	− 24	Cardiff	2·7	—	35	3	16	37·3	−3·9	43·9	−1·2
b, ENGLAND, S.W.																							
a Bath	66	43	2nd	20	4th	36·4	28·6	32·7	− 6·9	1	0·04	1	− 15	Bath	*	*	*	*	*	37·0	−4·4	43·0	−3·8
a Shaftesbury	722	41	5th	22	3rd	35·3	26·0	30·8	− 7·2	1	0·04	1	− 16	Shaftesbury ..	*	*	*	*	*	34·7	*	41·8	*
a Arlington	613	42	2nd	20	4th	36·7	28·8	32·9	− 6·7	0	0·00	0	− 31										
a Hartland Quay ..	100	46	2nd	28	4, 5	40·7	33·6	37·3	—	0	0·00	0	—										
a Newquay	190	44	2nd	24	4th	39·4	30·0	34·9	− 9·0	0	0·00	0·1	− 20	Newquay ..	2·0	+ 0·3	25	6	15	39·6	*	46·0	*
a Cullompton	202	43	2nd	17	4th	37·4	27·4	32·0	− 7·4	1	0·02	1	− 20	Cullompton ..	2·2	+ 0·9	28	6	12	38·0	*	*	*
a Portland Bill	19	42	5th	27	4th	39·6	32·9	36·4	− 6·5	1	0·04	1	− 13	Weymouth ..	2·4	—	30	*	*	*	*	*	*
p Plymouth	116	42	2nd	23	4th	39·1	29·9	34·7	− 8·0	2	0·04	1	− 21	Plymouth ..	2·1	+ 0·5	26	5	17	36·7	−7·1	44·6	*
a Falmouth	167	41	2, 5	25	5th	39·4	29·6	34·7	− 9·1	1	0·10	3	− 26	Falmouth ..	2·2	+ 0·4	28	6	18	40·8	*	46·6	*
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	46	1, 2	36	4th	45·0	38·3	41·8	+ 0·8	5	0·11	3	− 14	Malin Head ..	0·5	—	7	*	*	*	*	*	*
a, West .. *a* Blacksod Point ..	327	46	2nd	35	30, 4	42·7	37·1	40·0	− 2·7	3	0·05	1	− 30	Markree Castle	1·6	+ 0·4	22	5	16	40·4	−1·6	45·0	−0·4
a, West .. *p* Markree Castle ..	122	48	2nd	22	4th	44·1	32·0	38·3	− 1·2	2	0·07	2	− 22										
b, East .. *p* Armagh	196	48	2nd	27	4th	43·6	31·7	37·4	− 1·9	0	0·00	0	− 16	Armagh	0·6	− 0·7	8	3	22	38·9	−2·0	43·5	−0·7
b, East .. *a* Donaghadee	101	46	1, 2	31	4th	42·6	36·0	39·4	− 1·1	0	0·00	0	− 16										
10. IRELAND, S.																							
p Dublin, City	47	47	2nd	30	4th	42·9	36·1	39·6	− 2·2	2	0·03	1	− 13	Dublin City ..	*	*	*	1	26	*	*	*	*
a Birr Castle	175	46	2nd	21	5th	40·0	29·6	35·0	− 4·9	0	0·00	0·1	− 18	Trinity Coll. ..	*	*	*	2	23	41·0	−0·6	44·6	−0·3
a Kilkenny	212	46	2nd	21	4, 5	41·0	31·4	36·4	− 3·6	3	0·07	2	− 18	Phœnix Park ..	0·6	− 1·0	8	3	18	*	*	*	*
a Waterford	20	48	31, 1	26	4, 5	43·0	32·7	38·1	− 3·8	1	0·07	2	− 22	Birr Castle ..	0·6	− 0·9	8	6	15	*	*	*	*
p Seskin, Carrick-on-Suir	541	44	2nd	24	4th	39·4	31·9	35·8	—	3	0·04	1	—	Seskin	1·0	—	13	6	16	*	*	*	*
a Cahir	199	42	1st	19	4th	38·6	30·3	34·6	− 5·9	0	0·06	0	—										
a Foynes	50	46	2nd	24	4th	40·6	33·1	37·0	− 5·0	2	0·02	0·4	− 25										
a Cahirciveen (Val. Obs.)	30	48	2nd	26	5th	42·7	34·9	39·0	− 5·5	0	0·00	0	− 36	Cahirciveen ..	2·5	+ 1·1	33	1	23	*	*	*	*
a Killarney	174	47	2nd	22	4, 5	41·0	31·4	36·4	− 6·4	1	0·03	1	− 38	Ballinacurra ..	1·1	− 0·5	14	*	*	*	*	*	*
a Roche's Point	32	46	2nd	31	4, 5	42·1	34·7	38·6	− 5·1	2	0·06	2	− 26										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	47	5th	33	30th	43·3	35·7	39·7	− 6·4	3	0·16	4	− 16	Scilly	2·0	+ 0·2	25	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	40	30, 3	26	5th	38·9	31·1	35·2	− 8·2	2	0·16	4	− 16	St. Heliers ..	2·3	+ 0·3	28	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	43	2nd	28	5th	41·1	33·3	37·4	− 6·4	2	0·12	3	− 18	Guernsey† ..	1·3	− 0·5	16	4	24	40·6	−4·5	46·4	−1·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 5th, 1918.

District and Station.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—											—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	7	106	55	0	285	6	1	22	16	2	19	30
Aberdeen	153	105	52	—	—	1	1	38	95	34	0	300	11	1	24	17	1	23	30
Edinburgh	485	39	31	—	—	—	—	45	115	8	0	285	10	5	18	16	1	4	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	66	74	28	0	285	11	5	19	20	5	17	45
Paisley	188	81	52	—	—	—	—	8	137	23	0	300	7	4	5	18	4	5	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	27	122	19	0	345	9	2	21	17	2	20	55
South Shields	72	61	12	—	—	—	—	26	130	12	0	300	9	4	5	16	2	23	45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	30, 31, 1	42	36	89	1	0	75	15	31	24	—	—	—	—
Gorleston	52	42	‡	—	—	30, 31, 1	8	85	72	3	0	60	12	31	24	17	3	3	40
Shoeburyness	103	90	‡	—	—	31, 1	13	64	89	2	0	75	16	1	7	21	1	2	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	46	57	65	0	45	9	1	12	17	1	11	25
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	36	81	0	51	—	10	1	11	17	1	11	5
Brighton	261	53	6	—	—	1	4	51	88	25	0	—	12	1	13	19	1	11	20
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	31, 1	6	63	54	20	25	45	12	1	12	19	1	6	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	46	82	40	0	45	9	1	11	16	1	9	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	14	103	51	0	60	11	30	3	16	30	0	50
Fleetwood (Cup Anr.) ..	109	44	—	—	—	3, 4	2	80	68	18	0	300	13	4	10	—	—	—	—
Southport	80	62	48	—	—	30, 31, 4	7	98	56	7	0	75	12	30	9	19	30	2	45
Holyhead	60	40	‡	—	—	30, 31, 1, 4	23	104	39	2	0	75	16	30	5	22	30	5	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	1	1	30, 31, 1, 3	27	71	53	16	0	45	20	1	11	27	1	10	40
Plymouth	185	88	2	—	—	31, 1	5	70	67	36	0	—	12	31	24	28	1	10	20
Lyme Regis	556	61	‡	—	—	31, 1	18	61	34	55	0	—	15	1	10	21	1	9	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	30, 31, 1, 4	16	90	55	7	0	45	14	1	5	—	—	—	—
Quilty	100	40	‡	—	—	31	1	50	72	38	7	—	11	31	9	17	31	9	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	31, 1	11	64	74	19	0	45	14	1	20	21	1	19	25
Weaver Pt.	160	30	‡	—	—	1	1	57	74	32	4	—	12	1	17	20	1	17	5
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	1	5	83	75	5	0	75	14	1	12	24	1	10	35

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday. *Above tops of trees

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIRST WEEK of 1918—December 30th, 1917, to January 5th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	24	78·6	73·3	76·1	− 0·3	0	− 6	32	− 3	5	0	0·34	9	− 22	0·2	−0·5	3	1028
Eastern.																			
1. SCOTLAND, EAST ...	49	23	78·1	73·0	75·6	− 0·1	0	− 6	37	− 5	3	− 1	0·08	2	− 14	1·3	+0·3	20	1029
2. ENGLAND, N.E.	45	19	77·3	73·1	75·3	− 1·0	0	− 7	41	+ 6	4	0	0·24	6	− 7	0·8	−0·3	11	1027
3. ENGLAND, EAST ...	43	21	76·1	71·6	73·9	− 2·3	0	− 9	58	+ 19	3	− 1	0·08	2	− 11	1·4	0·0	19	1026
4. MIDLAND COUNTIES ...	44	19	76·4	72·0	74·3	− 1·9	0	− 9	53	+ 13	2	− 2	0·06	2	− 13	1·0	−0·1	14	1027
5. ENGLAND, S.E.	41	17	76·1	71·3	73·8	− 3·4	0	− 13	60	+ 31	2	− 2	0·07	2	− 12	1·5	0·0	19	1026
Western.																			
6. SCOTLAND, WEST ...	49	19	79·1	72·7	76·0	− 1·0	3	− 6	39	+ 10	2	− 3	0·08	2	− 26	2·2	+1·2	30	1030
7. ENGLAND, N.W.	48	20	77·9	73·5	75·8	− 1·3	0	− 10	35	+ 7	2	− 2	0·05	1	− 18	1·4	+0·4	19	1029
8. ENGLAND, S.W.	43	17	76·3	71·8	74·2	− 4·0	0	− 17	55	+ 33	1	− 4	0·04	1	− 22	2·1	+0·6	27	1027
9. IRELAND, NORTH ...	48	21	79·0	74·2	76·7	− 1·0	2	− 11	30	+ 5	2	− 3	0·05	1	− 20	1·1	−0·2	15	1031
10. IRELAND, SOUTH ...	48	19	78·2	73·4	75·9	− 2·7	0	− 20	34	+ 15	1	− 4	0·03	1	− 24	1·2	−0·3	16	1030
11. ENGLISH CHANNEL ...	47	26	78·1	73·8	76·0	− 4·1	0	− 27	32	+ 23	2	− 3	0·15	4	− 16	1·9	0·0	23	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, December 2nd, 1917 to January 5th, 1918.

0. SCOTLAND, NORTH ...	52	18	78·6	73·4	76·1	− 0·7	10	− 31	178	+ 25	28	+ 1	4·40	118	− 59	0·5	−0·1	8	1020
Eastern.																			
1. SCOTLAND, EAST ...	55	8	77·9	72·3	75·2	− 0·9	1	− 36	218	+ 27	18	− 3	1·78	45	− 42	1·5	+0·5	22	1022
2. ENGLAND, N.E.	53	19	77·9	72·9	75·5	− 1·5	5	− 40	206	+ 54	16	− 4	1·73	44	− 21	1·5	+0·3	21	1023
3. ENGLAND, EAST ...	52	14	77·5	71·9	74·8	− 2·2	11	− 43	257	+ 95	17	− 4	1·12	28	− 37	1·9	+0·6	25	1023
4. MIDLAND COUNTIES ...	54	13	77·5	71·9	74·8	− 2·0	9	− 48	254	+ 81	12	− 9	0·94	25	− 52	1·4	+0·3	19	1024
5. ENGLAND, S.E.	52	11	77·8	72·3	75·2	− 2·8	15	− 67	243	+125	14	− 6	1·72	44	− 42	2·1	+0·7	27	1024
Western.																			
6. SCOTLAND, WEST ...	52	19	78·8	73·3	76·2	− 1·4	15	− 44	181	+ 60	21	− 3	3·39	87	− 70	1·4	+0·5	20	1024
7. ENGLAND, N.W.	54	19	78·6	73·9	76·3	− 1·4	12	− 51	165	+ 45	15	− 7	1·73	43	− 61	1·3	+0·3	17	1025
8. ENGLAND, S.W.	54	13	78·4	73·2	75·9	− 2·9	19	− 81	200	+116	11	−13	1·29	32	−107	2·2	+0·8	29	1025
9. IRELAND, NORTH ...	54	20	79·6	74·6	77·2	− 0·9	31	− 40	143	+ 36	22	− 4	2·34	60	− 54	1·2	0·0	16	1025
10. IRELAND, SOUTH ...	56	19	79·7	74·3	77·1	− 1·9	43	− 68	142	+ 61	18	− 7	2·44	62	− 71	1·3	−0·2	18	1027
11. ENGLISH CHANNEL ...	53	26	80·2	76·2	78·3	− 2·4	58	−104	81	+ 55	14	−12	1·99	50	− 69	2·1	+0·3	26	1024

THE YEAR 1918.—Aggregates, &c., for the Period of 1 Week, December 30th, 1917, to January 5th, 1918.

0. SCOTLAND, NORTH ...	46	24	78·6	73·3	76·1	− 0·3	0	− 6	32	− 3	5	0	0·34	9	− 22	0·2	−0·5	3	1028
Eastern.																			
1. SCOTLAND, EAST ...	49	23	78·1	73·0	75·6	− 0·1	0	− 6	37	− 5	3	− 1	0·08	2	− 14	1·3	+0·3	20	1029
2. ENGLAND, N.E.	45	19	77·3	73·1	75·3	− 1·0	0	− 7	41	+ 6	4	0	0·24	6	− 7	0·8	−0·3	11	1027
3. ENGLAND, EAST ...	43	21	76·1	71·6	73·9	− 2·3	0	− 9	58	+ 19	3	− 1	0·08	2	− 11	1·4	0·0	19	1026
4. MIDLAND COUNTIES ...	44	19	76·4	72·0	74·3	− 1·9	0	− 9	53	+ 13	2	− 2	0·06	2	− 13	1·0	−0·1	14	1027
5. ENGLAND, S.E.	41	17	76·1	71·3	73·8	− 3·4	0	− 13	60	+ 31	2	− 2	0·07	2	− 12	1·5	0·0	19	1026
Western.																			
6. SCOTLAND, WEST ...	49	19	79·1	72·7	76·0	− 1·0	3	− 6	39	+ 10	2	− 3	0·08	2	− 26	2·2	+1·2	30	1030
7. ENGLAND, N.W.	48	20	77·9	73·5	75·8	− 1·3	0	− 10	35	+ 7	2	− 2	0·05	1	− 18	1·4	+0·4	19	1029
8. ENGLAND, S.W.	43	17	76·3	71·8	74·2	− 4·0	0	− 17	55	+ 33	1	− 4	0·04	1	− 22	2·1	+0·6	27	1027
9. IRELAND, NORTH ...	48	21	79·0	74·2	76·7	− 1·0	2	− 11	30	+ 5	2	− 3	0·05	1	− 20	1·1	−0·2	15	1031
10. IRELAND, SOUTH ...	48	19	78·2	73·4	75·9	− 2·7	0	− 20	34	+ 15	1	− 4	0·03	1	− 24	1·2	−0·3	16	1030
11. ENGLISH CHANNEL ...	47	26	78·1	73·8	76·0	− 4·1	0	− 27	32	+ 23	2	− 3	0·15	4	− 16	1·9	0·0	23	1025
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : January 10th, 1918.

FOR OFFICIAL USE.

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 2.

THE SECOND WEEK OF 1918.

SUNDAY, JANUARY 6TH, TO SATURDAY, JANUARY 12TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

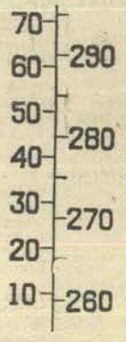
The most persistent feature of the synchronous charts of the week was the low pressure over Scandinavia. As the shape of the "Low" changed, the winds over the British Isles shifted from West to North and back again to West. The North wind was felt as a "blizzard" on Monday night, and the following day was very cold in all parts of the country, the ground being covered with snow and temperature remaining below 272a. At Little Massingham the maximum was as low as 267a; at Norwich and Shoeburyness it was 269a. On Tuesday night the minimum was down to 262·5 in the Midlands and there were some remarkably low readings of Grass Minimum Thermometers, 256a being recorded at Raunds in Northants and 252a at Worksop; 257·5a, the reading at Westbourne near Chichester, was the lowest at that station in 32 years' observations. It was during a snowstorm the same night that H.M.S. "Racoon," a destroyer of 920 tons, struck some rocks off the North Coast of Ireland and foundered with all hands.

The recovery of temperature with the return of the West wind was rapid; 284a was reached at Blacksod Point on the West coast of Ireland and at Ross in Herefordshire on Thursday and also at Shaftesbury the next day.

On the average the North and East of Scotland were the coldest districts, with the mean temperature below the freezing point and 4a below the normal for the time of year.

Many parts of the country were covered with snow throughout the week, but there were few heavy falls. At Morpeth the equivalent of 27 millimeters of rain was caught in the gauge on the 7th, but as the snow was very dry and the wind strong this measurement is probably not representative of the general fall in the neighbourhood. At Cally in Kirkcudbrightshire there was similar measurement for the fall on the 9th. There were one or two days of bright sunshine in most places. In the South of Ireland every day was sunny and the average duration was well above the normal.

Solar Halos were observed at Clacton on the 10th, at Norwich on the 11th, and at Oxford on the 9th and 12th. The zodiacal light was seen at Oxford on the 7th, 10th and 11th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 25.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	4	4·5	5	2·8	9	1·8	15	1·7	3	1·4	—	—	11	3·4	8	1·6
North	23	8·8	17	3·3	12	3·2	8	2·8	22	6·8	—	—	6	3·2	11	4·5
West	18	7·6	26	6·2	25	5·7	26	3·5	24	9·8	—	—	27	10·0	13	6·4
East	9	3·9	1	8·7	0	—	0	—	2	4·1	—	—	0	—	5	1·0
Calm	1	—	1	—	0	—	2	—	1	—	—	—	0	—	8	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate
	Sunshine ...	Scanty	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
WINTER. 6 weeks from Dec. 2nd, 1917.	Warmth ...	0, 4, 2	0, 4, 2	0, 3, 3	0, 1, 5	0, 2, 4	0, 0, 6	0, 2, 4	0, 4, 2	0, 0, 6	0, 4, 2	0, 1, 5	0, 0, 6
	Rainfall ...	0, 3, 3	2, 0, 4	1, 2, 3	0, 4, 2	0, 3, 3	0, 4, 2	0, 4, 2	0, 3, 3	0, 1, 5	0, 3, 3	0, 2, 4	0, 2, 4
	Sunshine ...	1, 2, 3	5, 1, 0	3, 3, 0	2, 4, 0	3, 3, 0	2, 4, 0	3, 3, 0	2, 4, 0	4, 2, 0	2, 2, 2	2, 3, 1	0, 6, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(15468—19.) Wt. 153—442. 450. 1/18. D & S. G. 17/36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick..	54	35	12th	17	8th	31·7	21·9	27·0	-11·5	7	1·04	26	+ 4										
p Deerness	160	35	9,10	18	8,9	32·1	23·7	28·1	—	6	1·85	47	+ 29	Deerness ..	0·4	- 0·5	6	•	•	•	•	•	•
a Stornoway	51	41	9,10	19	9th	35·4	28·7	31·9	- 0·8	7	1·57	40	+ 13	Stornoway ..	0·4	- 0·5	6	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	45	9,10	23	7-9	40·4	30·1	35·5	- 6·3	7	0·79	20	—	Castlebay ..	0·3	—	4	•	•	•	•	•	•
b, Mainland. *a* Wick	81	38	9,10	18	9th	33·7	24·0	29·0	- 8·4	7	0·81	21	+ 8										
p Glencarron	500	42	9,10	18	8	34·6	22·9	28·0	-9·5	9	2·52	64	+ 9										
p Fort Augustus.. ..	68	43	10th	12	8,9	36·2	21·8	29·3	- 7·8	6	0·99	25	- 2	Fort Augustus..	0·1	- 0·5	1	•	•	•	•	•	•
p Fort William	171	44	10th	17	8th	37·1	25·4	31·5	- 6·8	7	1·66	42	- 6										
1. SCOTLAND, E.																							
a Nairn	82	41	6th	14	9th	34·4	24·3	29·6	- 7·0	6	0·98	25	+ 15	Nairn	0·7	—	10	•	•	•	•	•	•
p Gordon Castle.. ..	101	41	6th	19	8,9	33·9	23·0	28·7	- 8·8	7	1·71	43	+ 32	Gordon Castle..	0·2	—	3	•	•	•	•	•	•
a Aberdeen	46	41	6,9,10	20	8,9	34·7	25·4	30·2	- 7·0	7	0·70	18	+ 6	Aberdeen ..	1·2	- 0·1	17	6	11	•	•	39·9	-0·5
a Balmoral	930	42	10th	14	8,9	32·6	22·1	27·6	- 6·1	6	0·99	25	+ 11	Balmoral ..	•	•	•	6	11	•	•	•	•
p Crieff	432	46	10th	13	8th	37·7	22·0	30·2	- 6·1	7	0·25	6	- 15	Crathes	0·7	- 0·7	10	7	12	34·2	-1·3	38·0	-0·6
a Dundee	244	45	10th	16	9th	36·0	23·3	29·9	- 6·5	4	0·15	4	- 7	Dundee	3·1	—	44	7	12	33·3	•	•	•
a Leith	30	45	10th	20	9th	37·0	26·9	32·2	- 6·4	4	0·19	5	- 4	Leith	•	•	•	6	15	•	•	•	•
p Edinburgh	441	44	10th	18	8,9	37·6	25·7	31·9	- 5·5	3	0·12	3	- 6	Edinburgh ..	1·8	+ 0·4	25	5	15	•	•	•	•
a West Linton	789	41	10th	13	8,9	35·3	22·7	29·3	- 4·3	5	0·56	14	—	West Linton ..	1·4	—	20	6	11	•	•	•	•
p Marchmont	498	43	10th	15	9th	34·6	23·9	29·5	- 6·3	4	0·38	10	- 2	Marchmont ..	1·7	+ 0·6	24	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	45	10th	18	9th	41·4	27·1	34·5	—	6	1·45	37	—	Ford (Argyll) ..	•	•	•	5	11	34·0	—	39·6	—
p Glasgow Observatory	180	45	10th	19	8th	37·6	27·9	32·9	- 5·5	6	0·53	13	- 4	Glasgow.. ..	1·3	+ 0·7	18	5	11	•	•	•	•
p Rothesay	200	45	10th	20	9th	40·9	27·8	34·5	- 4·8	6	1·18	30	+ 7	Rothesay ..	1·6	•	23	5	13	35·4	•	41·6	-1·2
a Kilmarnock	90	45	10th	14	8th	39·0	27·1	33·3	- 4·0	6	1·00	25	+ 7	Kilmarnock ..	1·5	—	21	•	•	35·5	•	40·8	•
a Colmonell	170	45	10th	26	8,9	40·0	32·0	36·2	- 2·5	6	1·05	27	+ 5	Colmonell ..	•	•	•	4	21	•	•	•	•
p Cally, Gatehouse ..	120	43	10	13	8	38·0	28·1	33·3	-2·4	4	1·69	43	+ 20	Dumfries ..	1·9	—	26	7	5	34·2	-4·2	39·5	-2·0
p Dumfries	160	45	10th	16	9th	39·1	26·9	33·2	- 4·9	6	0·60	15	0	Eskdalemuir ..	1·8	—	25	5	10	•	•	•	•
a Eskdalemuir	794	41	10th	14	9th	33·4	21·9	27·9	—	5	0·83	21	—										
b, I. OF MAN *p* Douglas	277	45	10th	21	8th	40·7	30·7	35·9	- 4·7	7	0·44	11	- 7	Douglas	1·0	- 0·5	14	4	18	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle ..	210	45	10th	18	8,9	37·0	25·1	31·3	- 6·3	5	0·61	15	+ 2										
a Tynemouth	71	43	10th	17	9th	36·1	26·1	31·3	- 7·0	3	0·31	8	- 2	Cockle Park ..	2·1	+ 0·7	29	6	18	34·4	-2·5	38·8	-1·4
p Durham	336	43	10th	17	8,9	38·3	26·7	32·7	- 4·0	3	0·35	9	- 1	Durham ..	1·9	+ 0·6	26	5	12	•	•	•	•
p Rounton	249	44	10th	15	9th	39·4	26·3	33·1	- 3·6	3	0·25	6	- 4	Rounton ..	•	•	•	6	11	35·2	•	•	•
a West Witton	605	42	12	15	9	36·6	25·6	30·5	—	6	0·46	12	—	West Witton ..	•	•	•	6	13	35·3	•	39·9	•
p Scarborough	100	43	11th	25	8th	38·7	30·4	34·7	- 3·7	6	1·09	28	+ 16	Scarborough† ..	1·6	+ 0·4	22	•	•	•	•	42·9	•
p York	56	45	10, 11	16	9th	40·3	28·6	34·7	- 2·9	3	0·26	7	- 3	York	1·4	+ 0·6	19	•	•	36·8	-2·3	41·5	-1·1
b, South .. *a* Spurn Head	26	42	10th	22	9th	37·6	29·1	33·5	- 4·7	2	0·16	4	- 4	Spurn Head ..	1·2	—	16	•	•	•	•	•	•
a Lincoln	58	44	10th	16	9th	38·1	26·9	32·7	- 4·2	6	0·27	7	- 3	Lincoln	•	•	•	6	9	34·0	-3·3	40·4	-1·7
a Fulbeck	180	43	10, 11	13	9th	37·3	25·7	31·7	- 5·1	6	0·33	8	- 2	Rauceby ..	1·7	+ 0·3	22	•	•	34·9	-4·5	41·9	-1·9
														Skegness ..	1·9	+ 0·3	25	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	45	10th	23	9, 10	40·3	28·6	34·7	- 2·7	5	0·43	11	+ 3	Cromer	1·2	- 0·5	16	•	•	•	•	•	•
a Little Massingham ..	280	40	10-12	14	9th	35·3	24·4	30·1	- 6·3	5	0·29	7	- 4	Lit. Massingham	1·7	+ 0·3	22	•	•	•	•	•	•
a Yarmouth	13	42	10th	18	9th	37·7	27·7	32·9	- 4·4	2	0·35	9	- 1	Yarmouth ..	1·9	—	13	3	16	36·3	-2·7	42·6	-1·3
a Norwich	93	42	10th	16	9th	36·6	27·3	32·1	- 4·8	4	0·36	9	- 2	Norwich ..	1·5	—	20	5	12	33·6	•	•	•
a Geldeston	37	43	10th	14	9th	38·0	25·7	32·1	- 5·5	4	0·30	8	- 1	Geldeston ..	1·4	- 0·3	18	•	•	•	•	•	•
p Cambridge	41	45	10th	14	8,9	38·6	27·6	33·3	- 3·9	5	0·27	7	- 1	Cambridge ..	2·1	+ 0·5	27	?	?	35·1	-4·0	41·2	-2·4
a Clacton-on-Sea ..	54	43	10th	18	9,10	37·6	29·0	33·5	- 3·9	5	0·35	9	+ 2	Clacton	1·7	0·0	22	3	14	34·5	-6·9	41·4	-3·7
a Rothamsted	424	43	10th	15	9th	37·1	27·4	32·4	- 4·4	4	0·19	5	- 6	Rothamsted ..	2·6	+ 1·0	33	5	12	34·6	•	•	•
p Tottenham	51	45	10th	19	9th	41·1	30·1	35·8	- 3·6	3	0·20	5	—	Tottenham ..	1·6	—	20	•	•	•	•	41·6	-3·5
						39·7																	
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	42	10th	16	9th	36·9	25·7	31·5	- 4·6	6	0·55	14	+ 2	Harrogate ..	1·8	+ 0·3	24	4	10	35·9	-3·0	39·2	-1·8
p Sheffield	429	43	10-12	19	8,9	38·4	28·6	33·4	—	6	0·77	20	—	Sheffield.. ..	1·5	+ 0·3	20	•	•	35·4	-3·0	41·1	-1·5
p Buxton	987	40	10th	14	9th	35·1	26·0	30·7	- 5·0	7	1·59	40	+ 17	Buxton	1·2	—	16	6	8	33·6	-4·6	40·3	-2·5
b, East .. *a* Bawtry	65	44	10th	15	9th	38·3	26·6	32·7	- 4·0	4	0·17	4	- 4	Worksop ..	1·5	+ 0·4	20	7	- 6	35·1	•	39·8	•
a Nottingham	82	44	10th	15	9th	38·7	28·0	33·6	- 3·4	5	0·25	6	- 3	Nottingham ..	0·8	- 0·2	11	7	11	33·4	-4·3	38·1	-2·9
p Birmingham, Edgbsn.	535	42	10, 11	18	9th	37·7	28·9	33·5	- 3·6	4	0·16	4	- 6	Birmingham ..	1·4	+ 0·4	18	6	9	36·5	-3·9	43·7	-1·3
a Raunds	203	44	10th	13	9th	37·4	25·0	31·5	- 4·5	3	0·15	4	- 4	Raunds	1·7	—	22	7	1	35·5	•	43·9	•
p Oxford	208	45	10th	17	9th	38·4	29·7	34·2	- 3·6	5	0·18	5	- 4	Oxford	2·3	+ 0·7	29	4	2	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	41	10th	15	9th	37·0	27·4	32·4	- 3·5	7	0·29	7	- 6	Cheadle	•	•	•	5	14	•	•	•	•
p Shrewsbury	191	45	10, 11	12	9th	42·0	29·6	36·1	- 2·4	5	0·21	5	- 4	Shrewsbury ..	•	•	•	3	13	•	•	•	•
a Hereford§	291	46	9th	18	9th	40·4	30·0	35·4	- 1·9	2	0·07	2	- 9	Malvern§ ..	2·0	—	26	6	10	34·4	•	40·2	•
a Clifton	229	46	11th	25	8, 9	40·6	32·0	36·5	- 2·5	3	0·14	4	- 12	Clifton	2·0	—	25	4	22	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	43	9-11	18	9th	39·3	29·1	34·4	- 2·6	5	0·21	5	- 9	Worthing	1·1	- 0·8	14	6	15	35·5	-5·0	43·1	-2·3
p Salisbury (Wilton) ..	180	47	11th	20	9th	39·7	28·5	34·3	- 3·2	4	0·38	10	- 6	Marlborough ..	2·0	+ 0·7	25	4	9	35·1	•	42·9	•
a Wisley, Surrey ..	150	44	10th	18	9th	38·3	29·3	34·0	- 3·8	1	0·20	5	- 5	Salisbury ..	•	•	•	5	16	34·8	•	•	•
a Tunbridge Wells ..	354	45	10th	17	9th	38·6	27·9	33·5	- 3·9	3	0·27	7	- 7	Wisley	1·9	+ 0·3	24	6	4	35·1	-4·8	41·4	-2·5
a Margate	51	45	10th	23	9th	39·4	30·1	34·9	- 4·0	5	0·36	9	0	Tunbridge Wells	0·6	- 1·0	8	6	5	36·4	-1·8	41·9	•
														Margate	0·8	- 0·8	10	4	20	35·7	-5·5	41·6	-2·8
a Dungeness	21	42	10th	15	10th	39·0	27·6	33·5	- 5·5	2	0·12	3	- 8	Folkestone ..	1·1	—	14	•	•	•	•	42·8	•
p St. Leonards	178	43	7, 10	16	9th	39·7	29·4	34·8	- 4·4	3	0·19	5	- 8	St. Leonards ..	1·3	- 0·6	16	6	12	34·5	•	41·7	•
p Southampton	64	47	11th	21	9th	41·7	30·9	36·5	- 3·2	3	0·25	6	- 9	Southampton ..	1·9	+ 0·2	24	5	9	•	•	•	•
a Ventnor	59	47	11, 12	23	9th	42·6	33·4	38·2	- 3·1	4	0·26	7	- 7	Ventnor	2·1	+ 0·2	26	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	45	10th	19	9th	39·0	30·0	34·7	- 3·7	4	0·26	7	- 3	Richmond ..	2·1	+ 0·8	27	5	10	33·8	-6·0	41·0	-3·6
a Westminster	27	46	10th	19	9th	39·2	30·4	35·0	- 4·2	4	0·26	7	- 2	Westminster ..	1·6	+ 1·0	20	6	16	•	•	•	•
ag Greenwich	149	44	10th	18	9th	38·1	28·7	33·6	- 5·6	5	0·29	7	- 2	Greenwich ..	1·5	+ 0·3	19	6	14	•	•	•	•
a Hampstead	450	43	10th	15	9th	37·3	27·3	32·5	—	4	0·25	6	—	Hampstead ..	2·0	—	25	7	13	•	•	•	•
ag Camden Square ..	110	46	10th	16	9th	38·9	29·0	34·2	- 4·2	5	0·29	7	- 3	Camden Square	1·5	+ 0·5	19	6	17	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	41	10th	16	9th	37·3	27·1	32·4	- 5·3	5	0·83	21	+ 4	Aspatria.. ..	1·9	+ 0·6	26	5	10	35·4	-4·6	41·0	-2·9
p Newton Rigg	559	42	10th	15	9th	38·9	26·4	32·9	- 3·6	6	0·79	20	+ 3	Newton Rigg ..	1·4	+ 0·2	19	5	11	35·4	-3·3	39·8	-1·6
p Stonyhurst	375	42	10, 11	19	7th	38·6	26·6	32·8	- 4·7	6	1·24	32	+ 10	Stonyhurst ..	1·3	+ 0·1	17	6	16	•	•	•	•
p Blackpool	66	44	10th	22	8th	40·6	31·6	36·3	- 2·1	7	0·68	17	+ 3	Blackpool ..	1·2	- 0·1	16	4	13	38·5	•	43·9	•
a Southport	37	43	10th	24	8th	39·9	32·4	36·3	- 2·1	7	0·66	17	+ 4	Southport ..	1·4	+ 0·1	18	4	15	34·4	-3·5	39·6	-1·7
														Hoylake ..	1·3	- 0·2	17	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	44	11th	25	8,9	39·1	31·6	35·5	- 3·6	7	0·51	13	+ 2	Liverpool ..	1·2	—	16	6	20	•	•	•	•
a Hawarden Bridge ..	22	47	10th	24	8th	42·0	32·7	37·5	- 2·2	4	0·22	6	- 3	Manchester (City)	0·6	+ 0·2	8	3	11	34·6	-3·7	41·5	-2·0
p Manchester (Whit. Pk.)	125	44	10, 11	20	9th	40·4	28·4	34·6	- 4·2	7	0·91	23	+ 10	Whitworth Park	0·1	- 0·4	1	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	45	10th	25	8th	42·0	33·3	37·8	- 3·4	6	0·40	10	- 3	Llandudno ..	0·7	- 0·9	9	•	•	•	•	•	•
a Holyhead	10	47	10th	25	9th	41·9	34·9	38·5	- 3·1	4	0·24	6	- 19	Holyhead ..	1·0	—	13	2	21	•	•	•	•
a Aberdovey	32	45	9th	25	8th	42·4	33·9	38·3	—	5	0·20	5	—	Aberdovey ..	1·0	- 0·6	13	•	•	•	•	•	•

† Earth temperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	or.	%		°F.	°F.	°F.	°F.
2. a, SOUTH WALES																						
a Aberystwyth	59	43	10,11	25	9th	41·0	33·4	37·4	—	5	0·23	6	—	Aberystwyth ..	0·7	− 1·0	9	•	•	•	•	•
a Rhayader	757	42	10, 11	16	9th	38·3	29·4	34·0	—	6	0·80	20	—	Rhayader ..	1·5	—	20	4	14	•	•	•
a St. Ann's Head	149	46	10, 11	27	9th	42·4	36·3	39·5	− 2·7	7	0·57	14	− 4	St. Ann's Head ..	1·0	− 0·6	13	•	•	•	•	•
p Cardiff	202	47	11th	19	9th	40·9	30·4	35·9	− 2·5	6	0·34	9	− 10	Cardiff	2·4	—	30	4	19	36·2	−4·1	42·9	−1·6
b. ENGLAND, S.W.																						
a Bath	66	44	10, 11	20	9th	39·7	30·7	35·4	− 3·4	4	0·17	4	− 9	Bath	•	•	•	•	•	36·0	−5·6	42·1	−3·2
a Shaftesbury	722	52	11th	19	9th	40·3	28·0	34·4	− 2·7	2	0·36	9	− 5	Shaftesbury ..	•	•	•	•	•	34·3	•	41·2	•
a Arlington	613	46	11th	22	9th	40·1	31·3	35·9	− 2·8	7	0·91	23	− 3										
a Hartland Quay ..	100	46	10, 11	28	8, 9	43·7	35·6	39·8	—	6	0·25	6	—										
a Newquay	190	48	6th	27	8th	44·0	33·4	38·9	− 4·1	6	0·84	16	0	Newquay ..	1·6	− 0·1	20	4	24	39·3	•	44·6	•
a Cullompton	202	48	11th	20	9th	41·0	29·0	35·2	− 4·0	5	0·63	16	− 1	Cullompton ..	1·8	+ 0·4	23	5	15	36·9	•	•	•
a Portland Bill	19	46	11th	27	8, 9	43·0	34·0	38·7	− 3·1	2	0·36	9	− 3	Weymouth ..	1·9	—	23	•	•	•	•	•	•
p Plymouth	116	49	11th	27	8th	42·9	33·6	38·4	− 3·4	7	0·54	14	− 4	Plymouth ..	2·0	+ 0·3	25	4	18	35·6	−7·3	43·5	•
a Falmouth	167	49	6th	27	8, 9	43·1	32·7	38·1	− 4·8	7	0·61	16	− 7	Falmouth ..	1·4	− 0·4	17	4	25	40·3	•	45·0	•
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	45	6, 9-11	25	9th	42·3	32·6	37·6	− 2·8	7	0·94	24	+ 9	Malin Head ..	0·8	—	11	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	52	10th	25	8, 9	42·1	32·7	37·6	− 4·5	7	0·48	12	− 17	Markree Csstle	1·2	+ 0·1	16	4	24	38·7	−2·9	44·5	−0·5
{ *p* Markree Castle ..	122	47	16, 11	22	7th	42·4	31·7	37·3	− 1·8	7	1·36	35	+ 12										
b, East .. { *p* Armagh	196	45	10th	20	8, 9	39·4	28·6	34·2	− 4·6	6	0·61	16	+ 1	Armagh	1·1	− 0·1	15	4	17	38·0	−2·5	42·8	−0·9
{ *a* Donaghadee	101	44	10, 11	25	9th	39·4	31·6	35·7	− 4·3	7	0·79	20	+ 5										
10. IRELAND, S.																						
p Dublin, City	47	45	10, 11	24	8, 9	40·6	31·4	36·2	− 5·1	4	0·09	2	− 16	Dublin City ..	•	•	•	4	21	•	•	•	•
a Birr Castle	175	46	10th	21	9th	39·6	29·9	34·9	− 4·4	4	0·24	6	− 10	Trinity Coll. ..	•	•	•	3	18	38·8	−2·5	43·7	−0·8
a Kilkenny	212	46	10, 11	24	8, 9	40·4	31·7	36·2	− 3·2	4	0·07	2	− 16	Phœnix Park ..	2·6	+ 0·9	34	5	12	•	•	•	•
a Waterford	20	47	10, 11	23	8th	42·6	33·1	38·0	− 3·2	2	0·02	1	− 20	Birr Castle ..	3·1	+ 0·4	28	6	7	•	•	•	•
p Seskin, Carrick-on-Suir	541	45	10, 11	21	8th	39·7	29·0	34·6	—	4	0·12	3	—	Seskin	3·8	—	49	5	15	•	•	•	•
a Cahir	198	45	11th	23	8, 9	40·9	30·4	35·9	− 4·1	2	0·19	5	—										
a Foynes	50	47	11th	23	8th	41·4	31·7	36·7	− 4·7	6	0·47	12	− 10										
a Cahirciveen (Val. Obs.)	30	46	6, 10, 11	25	9th	43·3	34·0	38·8	− 5·0	6	0·59	15	− 17	Cahirciveen ..	1·7	+ 0·3	22	2	14	•	•	•	•
a Killarney	174	47	10th	20	8, 9	41·4	30·4	36·1	− 6·0	6	0·56	14	− 21	Ballinacurra ..	3·7	+ 2·0	46	•	•	•	•	•	•
a Roche's Point	32	47	10, 11	27	8, 9	41·6	33·4	37·7	− 5·3	3	0·03	1	− 23										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	51	6th	30	8th	45·7	38·0	42·0	− 3·3	7	0·69	17	− 1	Scilly	1·9	+ 0·1	28	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	49	6th	26	6th	43·7	33·4	38·8	− 3·7	7	0·59	15	− 2	St. Heliers ..	1·9	− 0·1	23	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	49	6, 11	29	8th	44·0	35·4	39·9	− 3·1	7	0·48	12	− 6	Guernsey† ..	2·0	+ 0·2	24	4	25	39·9	−4·5	45·3	−2·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 12th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5																
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	13	133	22	0	349	7	7	17	20	9	15	5
Aberdeen	153	105	52	—	—	8, 11	12	89	61	6	0	304	13	8	14	22	7	19	35
Edinburgh	485	39	31	—	—	10	2	131	29	6	0	281	11	10	8	18	10	13	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	6 to 10, 12	43	88	27	7	3	281	16	9	13	25	7	17	20
Paisley	188	81	52	—	—	—	—	47	95	26	0	326	9	9	19	26	9	10	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	7	5	63	90	10	0	337	14	7	21	23	7	20	50
South Shields	72	61	12	—	—	7	3	73	74	18	0	11	6	7	21	24	7	20	55
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	8, 11	2	83	65	0	18	349	12	8	4	—	—	—	—
Gorleston	52	42	‡‡	—	—	8	3	61	57	5	42	349	17	8	4	25	8	3	30
Shoeburyness	103	90	‡	—	—	8, 9	8	68	51	10	31	281	12	9	24	17	9	24	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	8	1	66	90	11	0	326	11	8	4	—	—	—	—
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	37	92	0	39	—	7	10	23	16	11	8	10
Brighton	261	53	6	—	—	—	—	77	90	1	0	—	9	8	7	17	8	7	50
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	8, 10	11	95	58	4	0	292	12	10	13	19	9	12	5
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	39	118	11	0	{ 337 / 270	7 / 7	8 / 10	9 / 15	16	10	13	40
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	10, 11	8	72	77	11	0	236	13	10	19	18	10	23	0
Fleetwood (Cup Anr.) ..	109	44	—	7, 9	12	6 to 12	97	46	12	1	0	281	21	9	14	—	—	—	—
Southport	80	62	48	7, 9	7	6 to 12	94	56	11	0	0	270	19	9	14	26	9	11	40
Holyhead	60	40	‡	9	7	6 to 12	114	42	4	1	0	292	19	9	13	26	9	14	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	7	1	61	77	29	0	22	11	7	17	18	8	0	30
Plymouth	185	88	2	—	—	—	—	40	102	26	0	—	8	7	17	16	8	21	0
Lyme Regis	556	61	‡	—	—	—	—	76	52	37	3	—	10	8	3	16	8	3	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	9	3	6 to 12	64	84	15	2	0	359	18	9	13	—	—	—	—
Quilty	100	40	‡‡	—	—	6, 7, 9, 10, 12	32	99	27	10	0	—	15	9	10	24	9	8	55
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	7	4	76	55	33	0	326	12	7	7	20	9	13	0
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	7 to 10	35	75	47	11	0	360	15	7	16	24	7	16	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

*Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SECOND WEEK of 1918—January 6th, to January 12th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	44	12	74·6	68·7	71·7	− 4·4	0	− 5	86	+ 49	7	+ 2	1·21	31	+ 2	0·3	−0·5	5	1000
Eastern.																			
1. SCOTLAND, EAST ...	46	13	74·7	68·4	71·7	− 3·8	0	− 4	86	+ 42	6	+ 2	0·72	18	+ 5	1·5	+0·4	22	1001
2. ENGLAND, N.E.	45	13	76·4	70·3	73·5	− 2·7	0	− 6	64	+ 27	4	0	0·40	10	0	1·8	+0·6	24	1003
3. ENGLAND, EAST ...	45	14	76·3	70·5	73·6	− 2·3	0	− 7	63	+ 22	4	0	0·30	8	− 2	1·7	+0·1	22	1007
4. MIDLAND COUNTIES ...	46	12	76·7	70·9	73·9	− 1·9	0	− 8	58	+ 15	5	+ 1	0·22	6	− 5	1·6	+0·3	21	1008
5. ENGLAND, S.E.	47	15	77·3	71·7	74·6	− 2·2	0	− 11	50	+ 16	3	− 1	0·25	6	− 6	1·5	−0·1	19	1009
Western.																			
6. SCOTLAND, WEST ...	45	14	77·3	71·1	74·3	− 2·6	0	− 7	53	+ 22	6	+ 2	0·99	25	+ 2	1·2	+0·1	16	1004
7. ENGLAND, N.W.	47	15	77·5	72·1	74·9	− 2·0	0	− 9	46	+ 16	6	+ 2	0·65	16	+ 1	1·3	+0·1	17	1008
8. ENGLAND, S.W.	52	16	78·1	72·8	75·6	− 2·1	0	− 14	38	+ 14	5	+ 1	0·50	13	− 6	1·4	−0·2	18	1012
9. IRELAND, NORTH ...	52	20	77·9	72·6	75·3	− 2·1	0	− 11	41	+ 14	6	+ 1	0·74	19	− 1	1·2	−0·1	16	1009
10. IRELAND, SOUTH ...	47	20	78·2	72·9	75·6	− 2·6	0	− 17	37	+ 16	4	0	0·25	6	− 17	2·5	+0·9	32	1015
11. ENGLISH CHANNEL ...	51	26	79·9	75·0	77·6	− 2·0	7	− 15	25	+ 15	7	+ 2	0·59	15	− 3	1·9	0·0	23	1014

THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, December 2nd, 1917 to January 12th, 1918.

0. SCOTLAND, NORTH ...	52	12	78·0	72·6	75·4	− 1·3	10	− 36	264	+ 74	35	+ 3	5·61	143	− 55	0·5	−0·1	7	1017
Eastern.																			
1. SCOTLAND, EAST ...	55	8	77·4	71·6	74·6	− 1·4	1	− 40	304	+ 69	24	− 1	2·50	63	− 37	1·5	+0·5	22	1019
2. ENGLAND, N.E.	53	13	77·7	72·5	75·2	− 1·6	5	− 46	270	+ 81	20	− 4	2·13	54	− 21	1·5	+0·3	21	1020
3. ENGLAND, EAST ...	52	14	77·3	71·7	74·6	− 2·2	11	− 50	320	+117	21	− 4	1·42	36	− 39	1·9	+0·5	25	1021
4. MIDLAND COUNTIES ...	54	12	77·4	71·8	74·7	− 2·0	9	− 56	312	+ 96	17	− 8	1·16	31	− 57	1·4	+0·2	19	1022
5. ENGLAND, S.E.	52	11	77·7	72·2	75·1	− 2·7	15	− 78	293	+141	17	− 7	1·97	50	− 48	2·0	+0·5	25	1021
Western.																			
6. SCOTLAND, WEST ...	52	14	78·6	73·0	75·9	− 1·6	15	− 51	234	+ 82	27	− 1	4·38	112	− 68	1·4	+0·4	20	1021
7. ENGLAND, N.W.	54	15	78·4	73·6	76·1	− 1·5	12	− 60	211	+ 61	21	− 5	2·38	59	− 60	1·3	+0·3	17	1022
8. ENGLAND, S.W.	54	13	78·3	73·2	75·9	− 2·7	19	− 95	238	+130	16	−12	1·79	45	−113	2·1	+0·7	27	1023
9. IRELAND, NORTH ...	54	20	79·4	74·2	76·9	− 1·1	31	− 51	184	+ 50	28	− 3	3·08	78	− 55	1·2	0·0	16	1023
10. IRELAND, SOUTH ...	56	19	79·5	74·1	76·9	− 2·0	43	− 85	179	+ 77	22	− 7	2·69	68	− 88	1·5	0·0	20	1025
11. ENGLISH CHANNEL ...	53	26	80·2	76·0	78·2	− 2·4	65	−119	106	+ 70	21	−10	2·58	65	− 72	2·0	+0·2	25	1023

THE YEAR 1918.—Aggregates, &c., for the Period of 2 Weeks, December 30th, 1917, to January 12th, 1918.

0. SCOTLAND, NORTH ...	46	12	76·6	71·0	73·9	− 2·4	0	− 11	118	+ 46	12	+ 2	1·55	40	− 18	0·3	−0·4	4	1014
Eastern.																			
1. SCOTLAND, EAST ...	49	13	76·4	70·7	73·7	− 1·9	0	− 10	123	+ 37	9	+ 1	0·80	20	− 9	1·4	+0·3	21	1015
2. ENGLAND, N.E.	45	13	76·9	71·7	74·4	− 1·9	0	− 13	105	+ 33	8	0	0·64	16	− 7	1·3	+0·2	17	1015
3. ENGLAND, EAST ...	45	14	76·2	71·1	73·8	− 2·3	0	− 16	121	+ 41	7	− 1	0·38	10	− 13	1·5	0·0	20	1017
4. MIDLAND COUNTIES ...	46	12	76·6	71·5	74·1	− 1·9	0	− 17	111	+ 28	7	− 1	0·28	8	− 18	1·3	+0·1	17	1018
5. ENGLAND, S.E.	47	15	76·7	71·5	74·2	− 2·8	0	− 24	110	+ 47	5	− 3	0·32	8	− 18	1·5	0·0	19	1018
Western.																			
6. SCOTLAND, WEST ...	49	14	78·1	71·9	75·2	− 1·8	3	− 13	92	+ 32	8	− 1	1·07	27	− 24	1·7	+0·7	23	1017
7. ENGLAND, N.W.	48	15	77·7	72·8	75·4	− 1·6	0	− 19	81	+ 23	8	0	0·70	17	− 17	1·3	+0·2	18	1019
8. ENGLAND, S.W.	52	16	77·2	72·3	74·9	− 3·1	0	− 31	93	+ 47	6	− 3	0·54	14	− 28	1·8	+0·3	22	1020
9. IRELAND, NORTH ...	52	20	78·5	73·4	76·0	− 1·6	2	− 22	71	+ 19	8	− 2	0·79	20	− 21	1·1	−0·2	15	1020
10. IRELAND, SOUTH ...	48	19	78·2	73·2	75·8	− 2·6	0	− 37	71	+ 31	5	− 4	0·28	7	− 41	1·8	+0·3	24	1023
11. ENGLISH CHANNEL ...	51	26	79·0	74·4	76·8	− 3·1	7	− 42	57	+ 38	9	− 1	0·74	19	− 19	1·9	0·0	23	1020
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : January 17th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

EXAMINED BY 9 · AUTHORITY FOR ISSUE ISSUED ON - - - · MRS 1918 25.1.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 3.

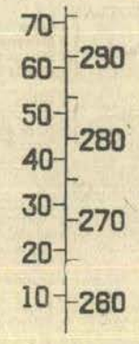
THE THIRD WEEK OF 1918.

SUNDAY, JANUARY 13TH, TO SATURDAY, JANUARY 19TH, 1918.

Price 6d., Post free 1s.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

On Sunday, January 13th, there was a steady current of cold air from the North over the British Islands. By Monday morning the wind had backed at all the stations in the west, heralding the approach of a shallow depression, which crossed Scotland the same night, and was the occasion of heavy rain in England and snow in Scotland. A secondary, which formed over the south-west of England on the 15th, moved eastwards rapidly. In its rear there was snow in the southern counties. Subsequently a "low" developed off the south of Ireland, and for the last two days of the week the wind over the British Islands was South-Westerly, and the weather warmer. As evidence of the severity of the cold the observer at Crathes reports that the Dee was frozen there at the beginning of the week. The last time this had occurred previously was in the winter of 1894–95. According to the "Times," Loch Lomond was frozen over in the lower reaches also for the first time for twenty-three years. The precipitation for the week was very heavy in all districts; in some places over an inch of rain was measured on two or three different days. Amongst the heaviest individual falls were 40mm. at Portsmouth and 37mm. at Salisbury on the 15th. At the latter station the total for the week was 108mm. At Cardiff and also at Arlington, in Devon, the total was 125mm. By the end of the week floods were general in the south of England; the river Wye, at Hereford, was 16 feet above its normal level. Temperature was consistently low in Scotland, the departure of the mean temperature from the normal being over 6 a in many places. At Balmoral the highest reading of the week was 273·5 a., the lowest 257·5 a., and the mean, 266·5 a., was 8·5 a. below normal. There were some very rapid alternations of temperature. At West Linton, on the Pentland Hills, there was a range of 25 a., from 253 a. on the morning of the 14th to 278 a. on the 19th. An aurora was observed at Fort Augustus on the 14th. Lunar halos were reported at Aberdeen on the 17th and 18th, at Balmoral on the 17th and at Gorleston on the 18th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 26.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	5·6	12	2·8	16	4·5	15	4·6	14	4·9	22	8·7	13	3·6	12	6·1
North	15	6·6	11	2·5	8	2·1	6	2·5	12	5·7	6	3·3	6	3·2	10	2·0
West	17	7·4	18	4·4	19	3·0	17	2·5	16	5·4	22	6·2	13	5·9	2	6·2
East	8	6·2	9	3·4	5	2·6	5	2·9	9	3·3	3	4·7	6	4·1	19	4·1
Calm	2	—	1	—	1	—	4	—	1	—	0	—	3	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Very deficient	Moderate	Deficient	Moderate	Very deficient	Deficient	Deficient	Very deficient	Deficient	Moderate
	Rainfall ...	Moderate	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 7 weeks from Dec. 2nd, 1917.	Warmth ...	0, 4, 3	0, 4, 3	0, 3, 4	0, 2, 5	0, 2, 5	0, 1, 6	0, 2, 5	0, 4, 3	0, 0, 7	0, 4, 3	0, 1, 6	0, 1, 6
	Rainfall ...	0, 4, 3	3, 0, 4	2, 2, 3	1, 4, 2	1, 3, 3	1, 4, 2	1, 4, 2	1, 3, 3	1, 1, 5	1, 3, 3	1, 2, 4	1, 2, 4
	Sunshine ...	2, 2, 3	5, 2, 0	3, 4, 0	2, 5, 0	3, 3, 1	2, 4, 1	3, 4, 0	2, 5, 0	4, 3, 0	2, 2, 3	2, 3, 2	0, 7, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914. Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(15581—19.) Wt. 153—442. 450. 1/18 D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a Islands	a Lerwick	54	41	19th	16	14th	35·3	21·9	28·9	−10·8	7	1·89	48	+23				•	•	•	•	•	•
	p Deerness	160	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	0·6	—	9	•	•	•	•	•	•
	a Stornoway	51	40	19th	11	14, 19	32·7	20·4	26·8	−13·2	5	0·67	17	−11	Stornoway	2·4	+ 1·8	45	23	•	•	•	•	•
	a Castlebay, Barra Isd.	37	45	19th	21	14th	35·7	27·9	32·6	− 9·8	5	0·87	22	—	Castlebay	1·1	—	15	•	•	•	•	•	•
b. Mainland	a Wick	81	39	19th	9	14th	33·1	16·0	24·9	−13·7	6	2·14	105	+91	Fort Augustus	0·6	− 0·1	8	•	•	•	•	•	•
	p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
	p Fort Augustus	68	39	19th	5	14th	31·0	14·4	23·0	−15·4	3	0·40	10	− 22										
	p Fort William	171	42	19th	8	14th	33·7	19·3	26·8	−12·8	4	1·14	29	− 28										
1. SCOTLAND, E.																							
	a Nairn	82	39	19th	10	14, 19	31·7	17·7	25·0	−13·1	5	0·44	11	− 1	Nairn	0·6	—	8	•	•	•	•	•	•
	p Gordon Castle	101	36	19th	9	14, 19	32·3	16·4	24·7	−14·3	5	0·26	7	− 5	Gordon Castle	0·2	—	3	•	•	•	•	•	•
	a Aberdeen	46	40	19th	16	14, 15	33·4	19·7	26·8	−11·9	4	0·43	11	− 2	Aberdeen	1·3	− 0·4	18	7	9	•	•	39·2	−0·8
	a Balmoral	930	33	19th	4	16th	28·3	10·7	19·9	−15·3	5	0·86	22	+ 6	Balmoral	•	•	•	7	3	•	•	•	•
	p Crieff	432	39	15th	8	14th	30·6	15·7	23·5	−14·3	4	1·31	33	+ 9	Crathes	1·1	− 0·8	15	7	− 2	33·5	−1·7	37·7	−0·4
	a Dundee	244	40	19th	9	14th	31·9	14·3	23·5	−14·4	2	0·83	21	+ 9	Dundee	1·3	—	18	7	1	31·9	•	•	•
	a Leith	30	43	19th	11	15th	34·9	19·7	27·6	−12·4	4	1·14	29	+ 19	Leith	•	•	•	6	6	•	•	•	•
	p Edinburgh	441	37	19th	14	14th	33·7	22·4	28·3	−10·5	3	1·07	27	+ 17	Edinburgh	1·3	− 0·4	18	7	11	•	•	•	•
	a West Linton	789	41	19th	−3	14th	33·1	10·0	23·0	−13·1	3	1·00	25	—	West Linton	0·8	—	11	7	− 4	•	•	•	•
	p Marchmont	498	41	19th	5	14th	32·6	19·3	25·9	−11·4	3	1·18	30	+ 17	Marchmont	1·1	− 0·4	15	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
	a Ford (Argyll)	149	38	14th	8	14, 16	35·1	19·9	27·8	—	3	0·83	21	—	Ford (Argyll)	•	•	•	7	2	33·3	•	38·5	—
	p Glasgow Observatory	180	36	15, 19	10	16th	31·7	19·9	26·0	−13·3	4	1·68	43	+ 24	Glasgow	0·7	0·0	9	7	4	•	•	•	•
	p Rothesay	200	37	15, 19	19	14th	34·9	25·7	30·5	− 9·7	5	1·69	43	+ 17	Rothesay	1·8	—	24	7	11	33·7	•	40·2	−2·2
	a Kilmarnock	90	45	19th	9	14th	37·3	21·1	29·5	− 8·7	5	0·80	20	− 1	Kilmarnock	1·5	—	20	•	•	34·4	•	40·0	•
	a Colmonell	170	46	19th	16	14, 16	38·3	23·3	31·1	− 8·3	5	1·40	36	+ 11	Colmonell	•	•	•	6	13	•	•	•	•
	p Cally Gatehouse	120	38	13, 15, 16	9	14th	36·3	23·6	30·2	− 8·8	4	1·95	50	+ 24	Dumfries	1·2	—	16	7	− 3	33·1	•	38·3	•
	p Dumfries	160	38	19th	5	14th	35·3	20·9	28·4	−10·2	5	1·78	45	+ 28	Eskdalemuir	1·5	—	20	6	− 8	•	•	•	•
	a Eskdalemuir	794	39	19th	−1	15th	32·4	14·1	23·6	—	5	1·69	43	—										
b. I. OF MAN	p Douglas	277	46	18th	16	14th	40·6	29·4	35·2	− 6·3	6	2·28	58	+ 38	Douglas	1·2	− 0·4	16	6	12	•	•	•	•
2. ENGLAND, N.E.																							
a North	a Alnwick Castle	210	45	19th	9	14, 15	36·3	18·6	27·8	−10·5	7	1·91	49	+ 39										
	a Tynemouth	71	40	19th	15	14, 15	36·0	24·1	30·3	− 8·6	4	1·18	30	+ 23	Cockle Park	1·8	+ 0·1	24	6	8	32·9	−3·5	38·0	−1·8
	p Durham	336	40	16th	10	14th	34·7	24·1	29·6	− 7·8	4	1·00	25	+ 18	Durham	1·8	+ 0·3	24	6	5	•	•	•	•
	p Rounton	249	42	19th	13	14th	36·6	26·1	31·6	− 5·7	5	1·15	29	+ 22	Rounton	•	•	•	5	6	33·9	•	•	•
	a West Witton	605	46	19th	12	14th	38·9	23·6	31·6	—	6	2·35	60	—	West Witton	•	•	•	6	9	34·4	•	39·0	•
	p Scarborough	100	44	19th	24	15th	39·3	31·3	35·5	− 3·5	6	1·00	25	+ 16	Scarborough†	1·9	+ 0·4	25	•	•	•	•	42·0	•
	p York	56	44	18th	16	14th	38·0	27·7	33·1	− 5·1	6	0·96	24	+ 16	York	1·4	+ 0·4	18	•	•	35·8	−2·7	40·7	−1·4
b. South	a Spurn Head	26	45	19th	23	14, 15	38·7	29·0	34·0	− 4·7	5	0·94	24	+ 18	Spurn Head	1·6	—	21	•	•	•	•	•	•
	a Lincoln	58	48	19th	20	14, 15	39·6	27·7	33·9	− 3·5	5	1·02	26	+ 18	Lincoln	•	•	•	6	13	33·9	−2·8	39·9	−1·7
	a Fulbeck	180	49	18, 19	18	14, 15	40·6	26·7	33·9	− 3·5	5	1·10	28	+ 20	Rauceby	1·5	− 0·2	19	•	•	34·6	−3·9	41·2	−2·2
															Skegness	1·8	0·0	23	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	49	18, 19	27	14th	41·9	31·7	37·0	− 0·8	6	1·35	34	+ 27	Cromer	1·8	+ 0·3	23	•	•	•	•	•	•
	a Little Massingham	280	48	19th	19	14th	40·4	27·3	34·1	− 2·8	5	1·98	50	+ 40	Lit. Massingham	1·3	0·0	16	•	•	•	•	•	•
	a Yarmouth	13	48	18, 19	22	14, 15	41·4	28·4	35·2	− 2·5	6	1·81	46	+ 38	Yarmouth	1·2	—	15	5	19	36·3	−1·7	42·1	−1·3
	a Norwich	93	48	18, 19	22	14th	41·6	29·3	35·7	− 1·6	5	2·27	58	+ 49	Norwich	1·5	—	19	5	16	33·4	•	•	•
	a Geldeston	37	49	18, 19	19	14th	43·3	27·3	35·6	− 2·4	6	2·04	52	+ 44	Geldeston	1·4	− 0·1	18	•	•	•	•	•	•
	p Cambridge	41	50	19th	23	14, 16, 17	41·4	28·1	35·0	− 2·6	6	1·67	42	+ 35	Cambridge	1·3	− 0·2	16	?	?	35·2	−3·2	40·3	−2·8
	a Clacton-on-Sea	54	47	15th	25	15th	41·1	30·7	36·1	− 1·7	6	2·08	53	+ 47	Clacton	1·3	− 0·3	16	3	20	35·1	−4·8	40·5	−4·0
	a Rothamsted	424	49	18th	20	17th	43·3	29·0	36·4	− 0·8	6	2·10	53	+ 43	Rothamsted	1·2	− 0·3	15	4	22	35·4	•	•	•
	p Tottenham	51	52	18, 19	27	14th	43·6	35·1	39·5	+ 0·8	6	2·44	62	—	Tottenham	1·1	—	14	•	•	•	•	40·6	−3·9
4. MIDLAND COUNTIES.																							
a North	a Harrogate	479	46	19th	14	14th	38·3	24·6	31·7	− 5·2	5	1·72	44	+ 32	Harrogate	1·5	0·0	19	6	10	35·1	−3·1	38·8	−1·7
	p Sheffield	429	47	18th	19	14th	38·4	29·3	34·0	—	5	1·53	39	—	Sheffield	0·9	− 0·4	11	?	?	34·7	−3·0	40·3	−1·8
	p Buxton	987	45	18th	13	14th	36·3	26·1	31·4	− 3·9	5	1·84	47	+ 25	Buxton	0·6	—	8	6	16	33·4	−3·9	39·2	−3·2
b. Fens	a Bawtry	65	47	19th	14	14th	39·7	26·0	33·1	− 4·5	5	0·80	20	+ 12	Worksop	0·9	− 0·2	11	6	6	35·0	•	39·3	•
	a Nottingham	82	49	18, 19	21	15th	41·3	28·0	34·9	− 2·9	6	1·38	35	+ 26	Nottingham	0·6	− 0·5	8	6	17	33·7	−3·2	37·4	−3·0
	p Birmingham, Edgbsn.	535	48	19th	23	14th	40·0	31·7	36·0	− 2·0	6	1·92	49	+ 39	Birmingham	1·0	− 0·1	13	5	19	37·1	−2·5	43·0	−1·6
	a Raunds	203	50	19th	19	15th	42·4	26·1	34·6	− 2·2	5	1·81	46	+ 39	Raunds	1·3	—	16	7	11	35·6	•	43·3	•
	p Oxford	208	51	19th	25	17th	42·3	31·6	37·2	− 1·4	6	2·33	59	+ 50	Oxford	1·6	0·0	20	4	17	•	•	•	•
c. West	a Cheadle (N. Staffs.)	646	46	19th	18	14th	39·7	28·1	34·1	− 2·6	6	1·63	41	+ 29	Cheadle	•	•	•	6	17	•	•	•	•
	p Shrewsbury	191	50	19th	26	15th	42·9	32·9	37·9	− 1·0	6	1·47	37	+ 29	Shrewsbury	•	•	•	3	23	•	•	•	•
	a Hereford§	291	49	18th	24	17th	43·0	30·7	37·1	− 1·0	6	2·16	55	+ 45	Malvern§	1·2	—	15	6	14	35·3	•	39·6	•
	a Clifton	229	51	18, 19	30	13–15	45·4	33·4	39·6	− 0·1	7	3·10	79	+ 63	Clifton	0·8	—	10	5	26	•	•	•	•
5. ENGLAND, S.E.																							
															Worthing	1·2	− 0·7	14	4	21	37·7	−1·9	42·1	−2·7
	a Marlborough	424	55	19th	18	17th	44·6	29·3	37·3	− 0·3	7	3·01	77	+ 63	Marlborough	0·8	− 0·5	10	3	14	36·7	•	42·1	•
	p Salisbury (Wilton)	180	51	18th	22	13th	45·9	31·9	39·2	+ 1·2	7	4·25	108	+ 92	Salisbury	•	•	•	3	24	35·7	•	•	•
	a Wisley, Surrey	150	52	19th	27	14, 15	46·4	32·3	39·6	+ 1·3	7	2·70	69	+ 59	Wisley	1·2	− 0·4	15	6	18	36·7	−2·2	40·8	−2·6
	a Tunbridge Wells	354	52	19th	27	13–15	46·7	31·6	39·5	+ 1·7	7	2·55	65	+ 51	Tunbridge Wells	1·1	− 0·5	14	4	19	38·1	+1·0	41·2	•
	a Margate	51	51	15, 18, 19	28	14th	46·4	33·4	40·2	+ 0·8	7	1·80	46	+ 37	Margate	1·1	− 0·4	14	4	26	37·3	−2·9	40·7	−3·1
	a Dungeness	21	48	15th	27	14th	45·3	32·3	39·1	− 0·3	7	2·83	72	+ 62	Folkestone	1·3	—	16	•	•	•	•	42·5	•
	p St. Leonards	178	48	19th	28	14th	43·7	35·4	39·2	− 0·5	7	2·52	64	+ 52	St. Leonards	1·3	− 0·5	16	4	25	36·1	•	40·8	•
	p Southampton	64	51	19th	28	13th	46·6	35·4	41·2	+ 1·0	7	3·51	89	+ 75	Southampton	1·1	− 0·5	13	3	14	•	•	•	•
	a Ventnor	59	50	15th	31	13th	46·4	35·4	41·1	− 0·7	7	2·30	58	+ 44	Ventnor	1·3	− 0·5	16	•	•	•	•	•	•
LONDON.	p Richmond (Kew Obs.)	18	52	19th	28	14th	42·8	33·8	38·4	− 0·6	7	2·42	61	+ 51	Richmond	1·3	0·0	16	3	21	34·7	−4·2	40·3	−3·8
	a Westminster	27	53	19th	29	13th	48·0	34·0	41·3	+ 1·6	6	2·44	62	+ 53	Westminster	0·8	+ 0·2	10	4	22	•	•	•	•
	ag Greenwich	149	51	18, 19	26	14th	46·0	32·0	39·3	+ 0·6	7	2·27	58	+ 49	Greenwich	0·6	− 0·7	7	4	24	•	•	•	•
	a Hampstead	450	50	19th	23	14th	42·1	31·1	36·8	—	6	?2·65	67	—	Hampstead	1·0	—	12	6	19	•	•	•	•
	ag Camden Square	110	52	18, 19	26	14th	46·9	32·3	39·9	+ 1·0	7	2·39	61	+ 51	Camden Square	0·9	− 0·1	11	6	23	•	•	•	•
7. a. ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	48	19th	15	14th	37·3	25·6	31·7	− 6·6	4	1·69	43	+ 27	Aspatria	1·6	+ 0·1	21	6	10	34·1	—	40·0	—
	p Newton Rigg	559	39	19th	12	14th	35·0	24·4	29·9	− 7·3	5	1·93	49	+ 32	Newton Rigg	1·5	+ 0·2	20	6	10	34·5	−3·7	38·8	−2·1
	p Stonyhurst	375	47	19th	13	13th	39·7	27·1	33·7	− 4·3	7	1·93	49	+ 26	Stonyhurst	0·7	− 0·4	9	4	1	•	•	•	•
	p Blackpool	66	48	19th	17	14th	41·3	28·7	35·3	− 3·6	6	1·76	45	+ 31	Blackpool	0·9	− 0·7	12	6	9	37·1	•	43·1	•
	a Southport	37	47	18, 19	19	14th	41·9	28·9	35·2	− 3·7	6	1·61	41	+ 28	Southport	1·2	− 0·4	16	5	10	33·8	−3·3	39·0	−1·9
															Hoylake	1·1	− 0·6	14	6	20	•	•	•	•
	a Liverpool (Bidston)	188	50	18th	24	14th	41·9	30·7	36·5	− 3·1	5	0·91	23	+ 12	Liverpool	1·1	—	14	4	14	34·5	−3·6	40·7	−2·4
	a Hawarden Bridge	22	53	18th	25	14, 15	43·9	31·6	38·0	− 2·1	5	0·83	21	+ 11	Manchester (City)	0·0	− 0·7	0	•	•	•	•	•	•
	p Manchester (Whit. Pk.)	125	49	18th	19	14th	41·0	29·9	35·7	− 3·6	5	1·22	31	+ 18	Whitworth Park	0·2	− 0·6	3	•	•	•	•	•	•
b. NORTH WALES.																							
	p Llandudno	16	53	19th	26	14th	45·6	34·0	40·0	− 1·6	5	1·25	32	+ 18	Llandudno	0·9	− 1·1	11	•	•	•	•	•	•
	a Holyhead	10	51	19th	29	14, 15	44·3	34·0	39·4	− 2·6	6	1·97	50	+ 35	Holyhead	0·9	—	11	1	25	•	•	•	•
	a Aberdovey	32	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
c. a. SOUTH WALES																						
a Aberystwyth	59	55	19th	30	14th	45·3	35·0	40·4	—	6	1·46	37	—	Aberystwyth ..	0·6	− 1·3	8	•	•	•	•	•	•
a Rhayader	757	49	18, 19	20	17th	41·9	30·1	36·2	—	6	2·85	72	—	Rhayader ..	0·8	—	10	4	19	•	•	•	•
a St. Ann's Head	149	49	18, 19	32	14th	44·9	35·4	40·3	− 2·5	7	2·60	66	+ 50	St, Ann's Head	0·8	− 1·0	10	•	•	•	•	•	•
p Cardiff	202	49	15, 19	27	17th	41·9	31·9	37·1	− 1·9	7	4·94	125	+107	Cardiff	1·1	− 0·6	14	3	20	37·6	−1·6	42·2	−1·7
b. ENGLAND, S.W.																						
a Bath	86	53	18th	24	17th	47·1	32·3	40·0	+ 0·5	7	2·99	76	+ 64	Bath	•	•	•	•	•	37·1	−2·6	41·4	−3·2
a Shaftesbury	722	48	14, 17, 18	28	13-15	44·3	31·1	38·0	+ 0·2	7	2·85	73	+ 60	Shaftesbury ..	•	•	•	•	•	36·2	•	40·3	•
a Arlington	613	51	18, 19	30	14, 17	46·6	34·3	40·7	+ 1·4	7	4·93	125	+101										
a Hartland Quay ..	100	55	19th	34	14, 15, 17	49·3	37·0	43·4	—	7	3·94	100	—										
a Newquay	190	53	19th	34	17th	50·4	40·3	45·6	+ 2·1	6	2·91	74	+ 59	Newquay ..	1·5	− 0·4	18	1	27	42·7	•	44·2	•
a Cullompton	202	52	18th	29	13, 17	47·9	33·4	40·9	+ 1·0	7	4·15	105	+ 89	Cullompton ..	1·3	− 0·3	16	4	19	38·6	•	•	•
a Portland Bill	19	50	15th	34	14th	46·1	36·7	41·6	− 0·6	7	2·17	55	+ 44	Weymouth ..	1·5	—	18	•	•	•	•	•	•
p Plymouth	116	52	15, 16, 19	28	13th	49·4	39·9	44·8	+ 2·4	6	2·80	71	+ 55	Plymouth ..	2·0	+ 0·1	24	2	21	40·4	−1·6	43·0	•
a Falmouth	167	52	15th	33	13th	50·0	39·1	44·8	+ 1·3	6	3·78	96	+ 75	Falmouth ..	1·8	− 0·2	22	2	26	42·4	°	44·8	•
																				3.0			
9. IRELAND, N.																							
a, West .. { a Malin Head	208	46	19th	21	14th	38·0	28·1	33·3	− 8·0	6	0·35	9	− 5	Malin Head ..	0·8	—	11	•	•	•	•	•	•
a Blacksod Point ..	327	49	19th	29	14, 16	38·9	31·1	35·2	− 7·9	7	0·75	19	− 7	Markree Csstle	0·5	− 1·0	7	6	17	36·5	—	43·2	—
p Markree Castle ..	122	47	19th	22	13, 16	38·6	26·6	32·8	− 7·3	7	1·85	47	+ 27										
b, East .. { p Armagh	196	45	19th	18	14th	36·1	25·9	31·2	− 8·7	5	1·65	42	+ 29	Armagh	0·8	− 0·8	10	5	11	35·9	−4·2	41·9	−1·5
a Donaghadee	101	47	19th	21	14th	38·6	29·0	34·0	− 7·0	6	1·46	37	+ 24										
10. IRELAND, S.																							
p Dublin, City	47	51	18th	28	16th	42·3	32·6	37·6	− 4·8	5	0·97	25	+ 13	Dublin City ..	•	•	•	5	23	•	•	•	•
a Birr Castle	175	51	18, 19	21	14th	41·6	28·3	35·2	− 5·2	5	1·15	29	+ 14	Trinity Coll. ..	•	•	•	5	20	38·2	−2·5	42·8	−1·3
a Kilkenny	212	53	18th	23	14th	44·6	30·3	37·7	− 2·8	7	2·04	52	+ 35	Phœnix Park ..	0·9	− 0·9	11	5	15	•	•	•	•
a Waterford	20	54	−19	25	+4	43·4	32·4	38·1	− 1·1	7	2·41	54	+ 35	Birr Castle ..	0·0	− 1·6	9	6	12	•	•	•	•
p Seskin, Carrick-on-Suir	541	50	18th	25	14th	42·9	31·9	37·6	—	6	2·36	60	—	Seskin	0·9	—	11	5	21	•	•	•	•
a Cahir	199	52	18th	24	14th	44·7	30·6	37·9	− 3·3	7	2·71	69	—										
a Foynes	50	51	18, 19	24	14th	43·4	32·9	38·4	− 4·0	6	1·67	43	+ 23										
a Cahirciveen (Val. Obs.)	30	52	18, 19	32	16, 17	47·7	36·9	42·5	− 2·4	7	2·48	63	+ 34	Cahirciveen ..	0·8	− 0·7	10	2	29	•	•	•	•
a Killarney	174	54	18th	29	16th	46·9	33·2	40·3	− 2·9	7	2·64	67	+ 36	Ballinacurra ..	0·8	− 1·0	10	•	•	•	•	•	•
a Roche's Point	32	49	18, 19	31	17th	46·0	36·4	41·4	− 2·6	7	1·93	49	+ 27										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	19th	39	13, 14	50·1	43·0	46·7	+ 1·0	7	2·52	64	+ 49	Scilly	1·8	0·0	21	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	52	15, 17-19	36	17th	50·0	40·6	45·5	+ 2·8	4	0·64	16	+ 2	St. Heliers ..	2·5	+ 0·4	29	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	15th	36	14th	50·3	40·7	45·7	+ 2·4	6	0·82	21	+ 6	Guernsey† ..	2·6	+ 0·7	31	0	32	42·6	−0·9	44·8	−2·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 19th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	+ 13, 15	+ 6	+ 12 to 16	−47	− 62	+ 44	+ 9	+ 0	315	26	− 12	− 9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	19	77	69	3	146	8	19	18	18	19	17	50
Aberdeen	153	105	52	—	—	13, 19	4	42	112	10	0	135	12	19	19	19	19	19	0
Edinburgh	485	39	31	—	—	14	1	65	98	4	0	191	12	14	20	20	14	14	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	-	—	13, 15, 18	10	72	46	40	0	304	14	13	7	20	13	11	35
Paisley	188	81	52	—	—	—	—	1	89	78	0	326	8	13	9	15	13	8	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	24	105	39	0	326	9	13	14	18	13	13	25
South Shields	72	61	12	—	—	—	—	24	84	60	0	135	9	19	11	14	13	14	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	51	101	6	10	292	10	13	14	—	—	—	—
Gorleston	52	42	‡	—	—	14 to 16	10	65	51	5	37	180	13	14	22	20	14	22	5
Shoeburyness	103	90	‡	—	—	14, 15, 18, 19	14	90	54	10	0	180	15	19	18	19	15	8	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	14	4	77	54	26	7	180	11	14	21	19	15	6	45
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	72	87	0	19	—	10	18	11	23	16	3	50
Brighton	261	53	6	—	—	15, 16	9	90	55	14	0	—	14	15	23	22	15	22	20
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	15, 18, 19	20	74	61	13	0	247	14	15	7	22	15	7	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	41	108	19	0	214	9	18	12	16	15	4	50
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	28	98	42	0	270	8	13	12	18	13	11	20
Fleetwood (Cup Anr.) ..	109	44	—	—	—	13 to 16, 18	28	69	71	0	0	292	17	13	12	—	—	—	—
Southport	30	62	48	—	—	13 to 16, 18, 19	28	94	45	1	0	292	16	13	13	23	13	6	50
Holyhead	60	40	‡	—	—	13 to 16, 18	28	98	39	3	0	315	15	13	4	19	13	0	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	14 to 16, 18	19	14 to 19	62	51	27	9	0	225	24	15	19	31	15	19	35
Plymouth	185	88	2	15, 16	10	14 to 19	80	46	24	8	0	—	22	15	20	29	15	19	50
Lyme Regis	556	61	‡	—	—	14 to 16, 18	13	74	45	36	0	—	14	15	4	19	16	1	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	13, 14	4	77	72	15	0	180	13	14	10	—	—	—	—
Quilty	100	40	‡	—	—	14, 19	4	44	77	37	6	—	12	14	8	20	19	12	49
Cahirciveen (Val. Obs.)	98	41	‡	—	—	13, 14, 19	16	71	57	20	4	146	13	19	10	28	19	10	35
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly ..	150	32	‡	—	—	15, 16	19	113	33	3	—	247	14	15	20	21	15	20	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] *Above tops of trees
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRD WEEK of 1918—January 13th to January 19th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	42	5	73·7	65·4	69·7	− 7·1	0	− 7	111	+ 81	5	0	1·65	42	+ 8	1·2	+0·4	17	1001
Eastern.																			
1. SCOTLAND, EAST ...	43	−3	73·0	64·2	68·8	− 7·5	0	− 6	123	+ 86	4	0	0·83	21	+ 6	1·1	−0·4	15	1002
2. ENGLAND, N.E.	49	9	76·2	69·8	73·1	− 3·4	0	− 7	69	+ 35	5	+ 2	1·16	29	+ 21	1·7	+0·3	22	1003
3. ENGLAND, EAST ...	52	19	78·6	71·7	75·3	− 0·9	0	− 6	41	+ 3	6	+ 2	1·97	50	+ 41	1·3	−0·1	17	1005
4. MIDLAND COUNTIES ...	51	14	78·3	71·4	75·0	− 1·3	0	− 8	45	+ 7	6	+ 2	1·83	46	+ 36	1·0	−0·3	13	1004
5. ENGLAND, S.E.	55	18	80·5	73·6	77·2	+ 0·1	10	0	35	+ 5	7	+ 4	2·79	71	+ 59	1·2	−0·4	14	1006
Western.																			
6. SCOTLAND, WEST ...	46	5	75·3	68·0	71·8	− 5·6	0	− 10	85	+ 62	5	0	1·55	39	+ 13	1·0	−0·2	13	1002
7. ENGLAND, N.W.	53	12	78·1	71·7	75·0	− 2·2	0	− 8	45	+ 17	5	+ 1	1·49	38	+ 22	1·2	−0·2	15	1002
8. ENGLAND, S.W.	53	20	80·8	74·3	77·7	− 0·3	11	− 4	31	+ 8	7	+ 3	3·41	86	+ 68	1·3	−0·3	16	1004
9. IRELAND, NORTH ...	51	18	76·7	70·9	73·6	− 4·3	0	− 14	59	+ 37	6	+ 1	1·20	30	+ 12	0·7	−0·7	8	1001
10. IRELAND, SOUTH ...	54	21	80·1	73·4	76·8	− 2·0	8	− 13	36	+ 17	6	+ 1	1·95	50	+ 30	0·6	−1·0	8	1001
11. ENGLISH CHANNEL ...	53	36	83·1	78·2	80·8	+ 1·0	30	+ 6	1	− 7	6	+ 1	1·33	34	+ 20	2·3	+0·3	27	1006

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, December 2nd, 1917 to January 19th, 1918.

0. SCOTLAND, NORTH ...	52	5	77·4	71·6	74·6	− 2·1	10	− 43	375	+155	40	+ 3	7·26	185	− 47	0·6	−0·1	9	1015
Eastern.																			
1. SCOTLAND, EAST ...	55	−3	76·7	70·6	73·8	− 2·3	1	− 46	427	+155	28	− 1	3·33	84	− 31	1·4	+0·3	21	1016
2. ENGLAND, N.E.	53	9	77·5	72·1	74·9	− 1·9	5	− 53	339	+116	25	− 2	3·29	83	0	1·6	+0·4	21	1017
3. ENGLAND, EAST ...	52	14	77·5	71·7	74·7	− 2·0	11	− 56	361	+120	27	− 2	3·39	86	+ 2	1·8	+0·4	23	1018
4. MIDLAND COUNTIES ...	54	12	77·5	71·7	74·7	− 1·9	9	− 64	357	+103	23	− 6	2·99	77	− 21	1·4	+0·2	18	1019
5. ENGLAND, S.E.	55	11	78·1	72·4	75·4	− 2·3	25	− 78	328	+146	24	− 3	4·76	121	+ 11	1·9	+0·4	24	1019
Western.																			
6. SCOTLAND, WEST ...	52	5	78·1	72·3	75·3	− 2·1	15	− 61	319	+144	32	− 1	5·93	151	− 55	1·3	+0·3	19	1018
7. ENGLAND, N.W.	54	12	78·3	73·3	75·9	− 1·6	12	− 68	256	+ 78	26	− 4	3·87	97	− 38	1·3	+0·2	17	1019
8. ENGLAND, S.W.	54	13	78·7	73·3	76·1	− 2·4	30	− 99	269	+138	23	− 9	5·20	131	− 45	2·0	+0·5	25	1020
9. IRELAND, NORTH ...	54	18	79·0	73·8	76·4	− 1·6	31	− 65	243	+ 87	34	− 2	4·28	109	− 43	1·1	−0·1	15	1019
10. IRELAND, SOUTH ...	56	19	79·6	74·0	76·9	− 2·0	51	− 98	215	+ 94	28	− 6	4·64	118	− 58	1·4	−0·1	18	1022
11. ENGLISH CHANNEL ...	53	26	80·6	76·3	78·5	− 1·9	95	−113	107	+ 63	27	− 9	3·91	99	− 52	2·1	+0·3	26	1020

THE YEAR 1918.—Aggregates, &c., for the Period of 3 Weeks, December 30th, 1917, to January 19th, 1918.

0. SCOTLAND, NORTH ...	46	5	75·6	69·1	72·5	− 3·9	0	− 18	229	+127	17	+ 2	3·20	82	− 10	0·6	−0·1	8	1010
Eastern.																			
1. SCOTLAND, EAST ...	49	−3	75·3	68·5	72·0	− 3·8	0	− 16	246	+123	13	+ 1	1·63	41	− 3	1·3	+0·1	19	1011
2. ENGLAND, N.E.	49	9	76·6	71·1	74·0	− 2·3	0	− 20	174	+ 68	13	+ 2	1·80	45	+ 14	1·4	+0·2	19	1011
3. ENGLAND, EAST ...	52	14	77·0	71·3	74·3	− 1·8	0	− 22	162	+ 44	13	+ 1	2·35	60	+ 28	1·5	0·0	19	1013
4. MIDLAND COUNTIES ...	51	12	77·1	71·4	74·4	− 1·7	0	− 25	156	+ 35	13	+ 1	2·11	54	+ 18	1·2	−0·1	16	1013
5. ENGLAND, S.E.	55	15	78·0	72·2	75·2	− 1·8	10	− 24	145	+ 52	12	+ 1	3·11	79	+ 41	1·4	−0·1	17	1014
Western.																			
6. SCOTLAND, WEST ...	49	5	77·2	70·6	74·0	− 3·1	3	− 23	177	+ 94	13	− 1	2·62	66	− 11	1·4	+0·3	19	1012
7. ENGLAND, N.W.	53	12	77·8	72·4	75·2	− 1·9	0	− 27	126	+ 40	13	+ 1	2·19	55	+ 5	1·3	+0·1	17	1013
8. ENGLAND, S.W.	53	16	78·4	73·0	75·8	− 2·2	11	− 35	124	+ 55	13	0	3·95	100	+ 40	1·6	0·0	20	1014
9. IRELAND, NORTH ...	52	18	77·9	72·6	75·2	− 2·5	2	− 36	130	+ 56	14	− 1	1·99	50	− 9	1·0	−0·3	13	1014
10. IRELAND, SOUTH ...	54	19	78·8	73·2	76·1	− 2·4	8	− 50	107	+ 48	11	− 3	2·23	57	− 11	1·4	−0·2	19	1015
11. ENGLISH CHANNEL ...	53	26	80·4	75·7	78·1	− 1·7	37	− 36	58	+ 31	15	0	2·07	53	+ 1	2·0	+0·1	25	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : January 24th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 4.

THE FOURTH WEEK OF 1918.

SUNDAY, JANUARY 20TH, TO SATURDAY, JANUARY 26TH, 1918.

Price 6d., Post free 7 .
Annual Subscription Post Paid £1 10s. 0d.

EXAMINED BY ... ISSUED ON ... 1.2.18

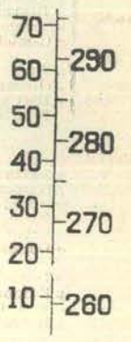
I.—GENERAL SUMMARY. [First published in 1878.]

The type of pressure distribution established at the end of the previous week was maintained, with slight modifications throughout the period, there was low pressure off the west coast of Ireland and an anticyclone over the Continent, the highest pressure in central Europe being about 1040 mb. at the end of the week. Wind over the British Isles was mostly between South-East and South-West and varied considerably in strength.

In Scotland the weather was persistently dull, there was practically no sunshine, fogs being prevalent from the 21st to the 24th. At most places rain fell on all seven days of the week, and the amount varied little from day to day; at Crieff there was between 6mm. and 14mm. every day. The snow of the previous week had mostly disappeared by Wednesday. In the south conditions were more pleasant, mild springlike weather prevailing. As much as six hours of sunshine was recorded on some days. In many localities there was hardly any rain. The returns from Cambridge and Greenwich gave 2mm. and 3mm. as the totals for the week.

With the wind blowing steadily from the South or South-West, high temperatures were general. Maxima above 286 a. were common. It was only in the far north and at a few high-level stations that temperatures as low as the freezing point were recorded. Most minima were far higher, in some cases not below 283 a. At Cahirciveen the highest and lowest minima were 283 a. and 281 a. The mean for the week was about 5a above normal in the south, but not so great in Scotland.

A solar halo was observed at Clacton on the 22nd. Lunar halos were seen at various places on different nights.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	7·4	19	9·6	28	4·0	27	4·7	28	7·1	28	10·2	22	5·9	25	7·1
North	10	7·6	4	0·8	0	—	0	—	0	—	0	—	0	—	0	—
West	9	1·5	16	4·3	14	2·1	19	2·0	18	3·4	16	3·7	9	3·2	4	0·8
East	17	7·8	8	2·2	3	1·1	5	1·5	4	2·0	7	4·1	5	1·2	22	2·5
Calm	0	—	4	—	0	—	1	—	0	—	0	—	6	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Moderate	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Moderate	Very heavy	Heavy	Light	Light	Moderate	Very heavy	Moderate	Moderate	Heavy	Heavy	Light
	Sunshine ...	Nought	Very scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Very scanty	Very scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 8 weeks from Dec. 2nd, 1917.	Warmth ...	0, 4, 4	0, 5, 3	1, 3, 4	1, 2, 5	1, 2, 5	1, 1, 6	1, 2, 5	1, 4, 3	1, 0, 7	1, 4, 3	1, 1, 6	1, 1, 6
	Rainfall ...	0, 5, 3	4, 0, 4	3, 2, 3	1, 4, 3	1, 3, 4	1, 5, 2	2, 4, 2	1, 4, 3	1, 2, 5	2, 3, 3	2, 2, 4	1, 2, 5
	Sunshine ...	2, 2, 4	5, 2, 1	3, 5, 0	2, 6, 0	3, 3, 2	2, 5, 1	3, 4, 1	2, 5, 1	4, 3, 1	2, 2, 4	2, 3, 3	0, 8, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m s = 2·24 miles per hour.

(15725—19.) Wt. 153—442. 450. 1/18. D & S. G. 17/36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick	54	50	24th	23	20th	43·4	33·7	38·7	- 0·2	7	0·65	16	- 13										
p Deerness	160	46	24, 26	30	20th	42·0	35·9	39·1	—	5	0·31	8	- 17	Deerness	0·0	- 1·0	0	•	•	•	•	•	•
a Stornoway	51	51	24th	17	20th	45·4	35·6	40·7	+ 1·3	7	2·24	57	+ 21	Stornoway	0·0	- 1·0	0	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
		50	24, 25	35	20	47·9	43·0	45·6	+4·0	7	1·02	26			0·1		1						
b, Mainland. *a* Wick	81	49	24, 26	17	20th	44·0	34·8	39·5	+ 1·5	5	0·73	19	+ 1										
p Glencarron	500	55	23rd	34	20–23	46·7	37·3	42·2	+ 5·0	7	1·98	50	+ 18										
p Fort Augustus..	68	54	24th	35	20th	46·1	40·1	43·2	+ 5·4	7	1·74	44	+ 7	Fort Augustus..	0·0	- 0·7	0	•	•	•	•	•	•
p Fort William	171	56	24th	35	26, 23	47·4	39·7	43·7	+ 4·7	7	2·94	75	+ 9										
1. SCOTLAND, E.																							
a Nairn	82	55	24th	10	20th	46·7	33·4	40·3	+ 2·6	6	1·04	26	+ 15	Nairn	0·5	—	7	•	•	•	•	•	•
p Gordon Castle	101	56	24th	34	20, 23	47·0	38·4	43·2	+ 4·7	4	1·14	29	+ 18	Gordon Castle..	0·7	—	9	•	•	•	•	•	•
a Aberdeen	46	52	24th	20	20th	46·4	37·1	41·9	+ 3·4	4	1·18	30	+ 18	Aberdeen	0·1	- 1·7	1	0	33	•	•	38·5	-1·2
a Balmoral	930	55	25th	30	20th	44·1	35·3	39·9	+ 5·2	5	1·09	28	+ 13	Balmoral	•	•	•	1	27	•	•	•	•
p Crieff	432	50	24th	31	20th	43·6	36·3	40·1	+ 2·5	7	2·76	70	+ 48	Crathes	0·0	- 2·1	0	0	32	33·9	-1·1	36·9	-0·9
a Dundee	244	52	24th	33	20th	45·6	37·6	41·8	+ 4·3	7	0·95	24	+ 13	Dundee	0·0	—	0	1	30	32·1	•	•	•
a Leith	30	54	24th	35	20th	49·0	39·7	44·5	+ 4·9	7	1·18	30	+ 21	Leith	•	•	•	0	34	•	•	•	•
p Edinburgh	441	52	24th	36	23rd	48·0	40·3	44·3	+ 5·9	7	0·94	24	+ 14	Edinburgh	0·9	- 1·2	11	0	31	•	•	•	•
a West Linton	769	49	24th	34	20th	45·0	37·4	41·4	+ 6·6	6	0·97	25	—	West Linton	0·1	—	1	1	30	•	•	•	•
p Marchmont	498	50	24th	34	20, 23	44·9	37·7	41·4	+ 4·4	6	1·15	29	+ 16	Marchmont	0·1	- 1·5	1	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	50	25th	35	20th	48·0	41·4	44·8	—	7	1·98	50	—	Ford (Argyll)	•	•	•	0	34	35·8	•	38·1	—
p Glasgow Observatory	180	51	24th	36	20th	46·7	41·4	44·2	+ 5·1	7	2·19	56	+ 37	Glasgow	0·2	- 0·6	3	0	35	•	•	•	•
p Rothesay	200	49	24th	36	20th	46·7	40·9	43·9	+ 3·9	7	2·57	65	+ 39	Rothesay	0·1	—	1	0	35	36·4	•	39·2	-2·9
a Kilmarnock	90	51	23, 24	36	20th	49·3	42·9	46·2	+ 8·0	7	2·43	62	+ 42	Kilmarnock	0·1	—	1	•	•	37·8	•	39·2	•
a Colmonell	170	51	23, 24	36	20th	48·7	43·1	46·0	+ 6·8	7	1·11	28	+ 3	Colmonell	•	•	•	0	32	•	•	•	•
p Cally, Gatehouse	120	47	24, 25	35	20th	46·1	41·4	43·8	+ 5·0	7	3·06	78	+ 52	Dumfries	0·1	—	1	1	28	36·1	- 0·8	37·9	-2·5
p Dumfries	160	49	21, 24, 26	36	20, 26	47·4	39·7	43·7	+ 5·1	7	2·25	57	+ 39	Eskdalemuir	0·0	—	0	0	32	•	•	•	•
a Eskdalemuir	794	48	23rd	32	20, 22	44·4	37·0	40·9	—	7	3·82	97	—										
b, I. OF MAN *p* Douglas	277	49	21st	43	20, 22, 23	47·3	43·7	45·6	+ 4·5	7	1·73	44	+ 24	Douglas	0·5	- 1·2	6	0	38	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	24th	35	24th	50·9	39·3	45·3	+ 7·0	5	1·04	26	+ 15										
a Tynemouth	71	54	23, 24	38	20, 21	50·6	42·1	46·5	+ 7·6	4	0·92	23	+ 18	Cockle Park	0·7	- 1·2	9	0	32	37·7	+1·8	37·8	-2·0
p Durham	336	54	24th	33	20th	48·3	42·0	45·2	+ 8·4	4	0·51	13	+ 5	Durham	0·9	- 0·8	11	0	33	•	•	•	•
a North *p* Rounton	249	54	24th	35	20th	50·4	42·4	46·6	+ 9·2	4	0·41	11	+ 3	Rounton	•	•	•	0	31	37·3	•	•	•
a West Witton	605	52	23, 24, 26	33	20th	49·7	40·4	45·2	—	5	0·83	21	—	West Witton	•	•	•	0	31	36·4	•	38·0	•
p Scarborough	100	54	25th	41	20th	51·4	44·4	48·0	+ 8·9	3	0·34	9	- 1	Scarborough†	1·1	- 0·5	14	•	•	•	•	41·6	•
p York	56	56	24th	41	22nd	52·7	43·9	48·5	+10·1	4	0·35	9	0	York	0·2	- 0·2	11	•	•	38·7	+0·8	40·2	-1·5
															2·9		3						
b, South *a* Spurn Head	26	49	24, 26	37	22nd	46·7	39·6	43·3	+ 4·5	5	0·44	11	+ 4	Spurn Head	2·0	—	25	•	•	•	•	•	•
a Lincoln	58	54	24th	38	20th	51·8	43·4	47·8	+10·1	4	0·30	8	0	Lincoln	•	•	•	0	37	40·0	+3·7	39·7	-1·3
a Fulbeck	180	54	24th	37	20th	52·1	42·4	47·4	+ 9·7	4	0·31	8	0	Rauceby	2·0	+ 0·1	24	•	•	40·7	+2·8	41·0	-1·9
														Skegness	1·5	- 0·5	18	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	55	24th	39	22nd	52·4	42·0	47·4	+ 9·0	4	0·12	3	- 5	Cromer	2·4	+ 0·2	28	•	•	•	•	•	•
a Little Massingham	280	53	22, 24	41	22nd	51·0	42·7	47·0	+ 9·4	4	0·30	8	- 3	Lit. Massingham	1·6	— 0·3	18	•	•	•	•	•	•
a Yarmouth	13	55	24th	37	23–24	49·3	38·7	44·2	+ 6·0	3	0·16	4	- 5	Yarmouth	1·5	—	17	0	36	41·0	+3·7	42·1	-0·7
a Norwich	93	55	24th	41	22nd	51·1	43·7	47·6	+ 9·6	4	0·15	4	- 6	Norwich	1·8	—	21	0	37	38·1	•	•	•
a Geldeston	37	56	24th	40	22, 25	52·6	41·9	47·5	+ 8·9	4	0·15	4	- 5	Geldeston	1·5	- 0·6	17	•	•	•	•	•	•
p Cambridge	41	57	24th	42	20, 21	52·9	43·9	48·6	+10·3	2	0·08	2	- 6	Cambridge	1·9	- 0·2	22	0	33	41·6	+3·9	41·0	-1·5
a Clacton-on-Sea	54	49	24th	38	20th	45·6	39·1	42·5	+ 4·2	4	0·12	3	- 4	Clacton	1·8	- 0·5	20	0	33	39·9	+0·7	41·1	-2·8
a Rothamsted	424	55	24th	39	25th	50·6	42·4	46·7	+ 8·9	4	0·22	6	- 5	Rothamsted	1·2	- 0·9	13	1	30	41·0	•	•	•
p Tottenham	51	56	24th	48	25th	52·9	46·7	49·8	+11·1	4	0·17	4	—	Tottenham	0·8	—	9	•	•	•	•	41·4	-2·4
				2	6				+10·8														
4. MIDLAND COUNTIES.																							
a North *a* Harrogate	479	53	24–26	34	20th	50·9	41·0	46·2	+ 8·7	4	0·45	12	- 1	Harrogate	0·9	- 0·9	11	0	33	38·6	+1·1	38·7	-1·3
p Sheffield	429	54	24th	42	22nd	51·9	45·0	48·6	—	4	0·34	9	—	Sheffield	1·1	- 0·4	14	0	36	39·5	+2·5	40·0	-1·6
p Buxton	987	56	24th	39	20th	49·1	43·1	46·2	+10·8	4	0·35	9	- 15	Buxton	0·8	—	10	0	34	38·3	+1·7	38·7	-3·1
a Bawtry	65	54	24, 25	37	20th	52·4	42·7	47·7	+ 9·4	4	0·24	6	- 3	Worksop	0·8	- 0·6	10	0	32	40·4	•	39·8	•
a Nottingham	82	55	24th	37	20th	53·1	43·6	48·5	+10·1	4	0·35	9	- 1	Nottingham	1·0	- 0·3	12	0	35	41·5	+5·3	38·3	-1·5
b, Mids. *p* Birmingham, Edgbsn.	535	52	22, 24	41	26th	50·7	44·9	47·9	+ 9·3	2	0·29	7	- 4	Birmingham	0·5	- 0·8	6	0	36	43·7	+4·7	43·1	-1·0
a Raunds	203	55	22, 24	41	22nd	53·3	43·1	48·4	+10·8	4	0·18	5	- 4	Raunds	1·7	—	20	0	32	39·2	•	42·7	•
p Oxford	208	55	21, 24	42	26th	52·7	45·4	49·2	+10·0	3	0·22	6	- 4	Oxford	1·7	- 0·2	20	0	33	•	•	•	•
a Cheadle (N. Staffs.)	646	52	24, 25	38	20th	50·3	42·4	46·5	+ 9·2	4	0·26	7	- 7	Cheadle	•	•	•	0	36	•	•	•	•
p Shrewsbury	191	56	24, 25	43	26th	53·1	45·3	49·4	+ 9·6	3	0·16	4	- 5	Shrewsbury	•	•	•	0	38	•	•	•	•
c, West *a* Hereford§	291	54	25th	44	20–22	51·7	45·4	48·7	+ 9·9	3	0·39	10	- 2	Malvern§	0·7	—	8	0	38	42·3	•	40·5	•
a Clifton	229	55	20th	46	22nd	52·7	47·3	50·1	+ 9·8	3	0·15	4	- 14	Clifton	1·1	—	13	0	42	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	53	21, 24	41	23rd	50·4	44·0	47·3	+ 9·5	5	0·33	8	- 6	Worthing	2·3	0·0	27	0	32	42·3	+3·1	42·6	-1·6
p Salisbury (Wilton)	180	55	24th	37	23rd	51·9	42·2	47·2	+ 9·0	4	0·53	13	- 4	Marlborough	0·9	- 0·7	11	0	35	43·2	•	42·1	•
a Wisley, Surrey	150	56	21, 24	42	25th	52·6	44·3	48·6	+10·1	4	0·27	7	- 3	Salisbury	•	•	•	0	35	42·2	•	•	•
a Tunbridge Wells	354	55	24th	42	23, 25	52·0	44·3	48·3	+10·2	4	0·38	10	- 4	Wisley	2·0	+ 0·2	23	2	27	42·5	+4·3	41·7	-1·0
a Margate	51	55	24th	40	26th	51·7	43·9	48·0	+ 8·4	3	0·11	11	+ 3	Tunbridge Wells	2·7	+ 0·8	31	0	36	42·8	+6·2	42·1	•
											0·38	17	- 5	Margate	1·3	- 0·6	15	0	36	43·3	+3·7	41·9	-1·3
a Dungeness	21	47	20, 22	39	26th	46·1	41·6	43·9	+ 4·4	4	0·31	8	- 2	Folkestone	1·4	—	16	•	•	•	•	43·0	•
p St. Leonards	178	49	24th	39	26th	47·7	42·1	45·0	+ 5·2	6	0·37	10	- 3	St. Leonards	2·1	- 0·1	24	0	34	41·1	•	41·3	•
p Southampton	64	55	20, 21	41	23rd	52·0	44·7	48·5	+ 8·1	5	0·42	11	- 4	Southampton	1·7	- 0·2	20	1	30	•	•	•	•
a Ventnor	59	50	20, 21, 25	42	26th	48·6	43·7	46·3	+ 4·5	5	0·39	10	- 4	Ventnor	1·5	- 0·7	17	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	55	24th	41	25th	52·7	45·1	49·1	+ 9·9	4	0·22	6	- 4	Richmond	2·1	+ 0·5	25	1	28	42·3	+4·2	41·9	-2·5
a Westminster	27	58	24th	?	?	54·8	?	?	?	4	0·17	4	- 5	Westminster	2·0	+ 1·2	24	0	35	•	•	•	•
ag Greenwich	149	56	21, 22, 24	42	23rd	53·4	44·3	49·0	+10·3	4	0·13	3	- 6	Greenwich	2·9	+ 1·2	35	0	33	•	•	•	•
a Hampstead	450	55	24th	40	26th	51·0	43·3	47·3	—	4	0·20	5	—	Hampstead	1·5	—	18	0	33	•	•	•	•
ag Camden Square	110	56	24th	44	25th	52·9	45·3	49·3	+10·2	4	0·18	5	- 5	Camden Square	0·9	- 0·3	11	0	33	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	51	24th	44	20-22, 25	49·1	44·6	46·9	+ 8·4	7	1·38	35	+ 16	Aspatria	0·4	- 1·3	5	0	35	40·3	+1·3	40·0	-3·2
p Newton Rigg	559	51	24, 26	38	20th	48·6	42·4	45·6	+ 8·3	6	1·35	34	+ 14	Newton Rigg	0·7	- 0·9	9	0	33	37·8	+0·2	37·5	-3·0
p Stonyhurst	375	52	22–25	42	21st	51·1	44·7	48·0	+ 9·8	5	0·48	12	- 13	Stonyhurst	1·1	- 0·3	14	0	39	•	•	•	•
p Blackpool	66	53	24, 25	39	20th	51·6	44·7	48·3	+ 9·2	5	0·95	24	+ 8	Blackpool	0·8	- 1·1	10	0	38	41·6	•	42·8	•
a Southport	37	55	25th	40	20th	52·6	44·6	48·8	+ 9·6	5	0·52	13	- 2	Southport	0·8	- 1·1	10	0	38	41·7	+5·3	39·8	-0·5
														Hoylake	0·8	- 1·1	10	•	•	•	•	•	•
a Liverpool (Bidston)	188	55	24th	40	20th	52·3	45·1	48·8	+ 9·0	4	0·29	7	- 5	Liverpool	1·0	—	12	0	39	•	•	•	•
a Hawarden Bridge	22	58	25th	45	20, 22	55·0	47·0	51·2	+10·9	3	0·24	6	- 4	Manchester (City)	0·5	- 0·3	6	0	39	42·2	+4·7	40·7	-2·0
p Manchester (Whit. Pk.)	125	55	24, 25	44	26th	52·6	46·1	49·5	+ 9·8	4	0·37	10	- 4	Whitworth Park	0·7	- 0·2	9	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	57	24th	44	22nd	54·3	47·0	50·8	+ 9·6	3	0·47	12	- 4	Llandudno	1·1	- 0·9	13	•	•	•	•	•	•
a Holyhead	15	50	21, 23, 24	44	22, 23	49·1	45·0	47·1	+ 5·1	6	1·38	35	+ 17	Holyhead	0·2		2	0	40	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
3. *a*, SOUTH WALES																							
a Aberystwyth	59	54	20th	44	23rd	52·6	46·1	49·5	—	5	0·36	9	—	Aberystwyth ..	1·6	− 0·3	19	•	•	•	•	•	•
a Rhayader	757	51	23, 24	44	22nd	49·4	45·4	47·5	—	6	1·13	29	—	Rhayader ..	0·4	—	5	0	42	•	•	•	•
a St. Ann's Head	149	49	20, 23, 24	45	22, 24-26	48·0	45·4	46·8	+ 4·0	6	1·02	26	+ 7	St. Ann's Head	0·4	− 1·4	5	•	•	•	•	•	•
p Cardiff	202	53	24, 25	42	20, 21, 26	51·4	43·4	47·6	+ 8·2	4	0·19	5	− 17	Cardiff	0·7	—	8	0	36	42·2	+3·5	42·6	−0·7
b, ENGLAND, S.W.																							
a Bath	66	57	22nd	42	22nd	53·9	46·3	50·3	+10·5	4	0·17	4	− 10	Bath	•	•	•	•	•	43·0	+4·3	42·3	−1·4
a Shaftesbury	722	—	—	39	21st	—	42·9	—	—	4	0·43	11	− 5	Shaftesbury ..	•	•	•	•	•	43·0	•	41·4	•
a Arlington	613	53	24, 25	44	23, 26	50·9	45·5	48·3	+ 8·8	4	0·35	9	− 19										
a Hartland Quay ..	100	55	20th	46	23, 24	53·1	47·4	50·4	—	4	0·49	13	—										
a Newquay	190	54	20, 24	46	23rd	52·7	47·4	50·2	+ 6·7	5	0·47	12	− 6	Newquay ..	2·0	+ 0·1	23	0	40	47·2	•	45·3	•
a Cullompton	202	56	24th	45	20, 23	51·7	46·1	49·0	+ 8·8	5	0·56	14	− 5	Cullompton ..	0·7	− 0·9	8	0	41	44·6	•	•	•
a Portland Bill	19	50	20th	43	26th	47·7	44·1	46·0	+ 3·7	4	0·31	8	− 5	Weymouth ..	1·5	—	17	•	•	•	•	•	•
p Plymouth	116	54	20th	45	26th	51·0	47·0	49·1	+ 6·5	7	0·46	12	− 8	Plymouth ..	0·6	− 1·3	7	0	45	45·7	+4·4	44·5	•
a Falmouth	167	53	20, 21, 24	45	23rd	51·6	46·6	49·2	+ 5·6	7	0·67	17	− 8	Falmouth ..	0·6	− 1·4	7	0	39	46·9	•	46·0	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	55	24th	37	20th	50·4	42·3	46·5	+ 4·9	5	0·51	13	− 2	Malin Head ..	0·1	—	1	•	•	•	•	•	•
a Blacksod Point ..	327	54	23rd	36	20th	49·6	43·1	46·5	+ 3·3	7	2·24	57	+ 28	Markree Castle	0·1	− 1·4	1	0	37	41·7	+1·3	42·9	−1·4
p Markree Castle ..	122	56	24th	43	20, 21, 23	52·1	45·3	48·8	+ 8·3	7	0·91	23	0										
b, East .. { *p* Armagh	196	53	24th	41	21st	50·4	44·1	47·4	+ 7·1	7	0·54	14	− 1	Armagh	0·3	− 1·3	4	0	40	40·1	+0·4	41·2	−2·0
a Donaghadee	101	50	24, 26	38	20th	48·6	42·9	45·9	+ 4·6	7	1·15	29	+ 14										
10. IRELAND, S.																							
p Dublin, City	47	57	24th	44	22nd	53·0	46·4	49·8	+ 7·5	5	0·52	13	+ 1	Dublin City ..	•	•	•	0	41	•	•	•	•
a Birr Castle	175	55	23, 24	43	23rd	52·0	45·1	48·7	+ 8·4	7	0·79	20	+ 6	Trinity Coll. ..	•	•	•	0	34	43·5	+3·0	43·0	−0·7
a Kilkenny	212	54	23rd	44	23, 24	51·0	45·8	48·4	+ 7·8	6	0·70	18	+ 2	Phœnix Park ..	0·6	− 1·4	7	0	33	•	•	•	•
a Waterford	20	51	23–25	45	23rd	50·3	46·4	48·4	+ 6·2	6	1·06	27	+ 8	Birr Castle ..	0·2	− 1·6	2	0	37	•	•	•	•
p Seskin, Carrick-on-Suir	541	51	24th	36	20th	48·9	43·6	46·4	—	7	1·97	50	—	Seskin	0·1	—	1	0	34	•	•	•	•
a Cahir	199	52	23, 24	40	21st	50·7	44·0	47·5	+ 6·4	7	0·82	21											
a Foynes	50	55	23, 24	39	23rd	52·3	44·9	48·8	+ 6·5	7	0·48	12	− 8										
a Cahirciveen (Val. Obs.)	30	53	23, 24	46	23rd	52·0	48·3	50·2	+ 5·5	7	2·32	59	+ 30	Cahirciveen ..	0·3	− 1·4	4	0	44	•	•	•	•
a Killarney	174	55	24, 25	45	23rd	52·9	47·7	50·4	+ 7·3	7	3·25	83	+ 52	Ballinacurra ..	0·3	− 1·7	3	•	•	•	•	•	•
a Roche's Point	32	50	23–26	45	23rd	49·3	46·0	47·7	+ 3·9	7	0·98	25	+ 3										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	20, 22, 24	42	23, 24	51·3	46·3	48·9	+ 3·2	6	0·51	13	− 3	Scilly	1·7	− 0·4	20	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	56	20th	42	26th	50·3	44·9	47·7	+ 4·7	2	0·05	1	− 15	St. Heliers ..	2·8	+ 0·4	31	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	56	20th	40	26th	51·7	46·0	49·0	+ 5·5	3	0·11	3	− 14	Guernsey† ..	2·3	+ 0·2	22	0	37	45·1	+2·5	44·9	−1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 26th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	19, 21	4	19 to 25	68	60	31	5	0	34	18	21	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	14	112	25	17	—	9	24	9	20	24	8	35
Aberdeen	153	105	52	—	—	25	1	47	76	44	0	180	11	25	24	23	25	23	30
Edinburgh	485	39	31	26	7	24 to 26	48	33	68	12	0	191	22	26	14	33	26	13	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	24, 26	5	24 to 26	57	26	49	31	0	202	18	24	13	26	26	23	50
Paisley	188	81	52	—	—	24, 26	13	47	59	49	0	214	13	26	23	23	26	23	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	21	90	57	0	214	10	25	14	18	25	13	10
South Shields	72	61	12	—	—	—	—	7	90	71	0	236	7	21	3	15	26	12	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	28	137	3	0	169	9	20	19	—	—	—	—
Gorleston	52	42	‡	—	—	20	6	102	60	0	0	169	13	20	19	18	20	20	35
Shoeburyness	103	90	‡	—	—	20, 21, 24	16	106	44	2	0	157	13	20	15	18	20	14	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	20	10	9	61	1	0	169	15	20	19	22	20	19	15
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	109	59	0	0	—	10	20	24	18	20	3	15
Brighton	201	53	6	—	—	20	2	83	69	10	4	—	12	20	12	17	20	12	0
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	20 — 24	—11	100	49	0	8	202	13	20	20	24	20	19	55
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	37	121	10	—	191	9	20	21	18	20	20	35
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	21	136	11	0	169	9	20	21	16	20	23	40
Fleetwood (Cup Anr.) ..	109	44	—	—	—	20, 21, 24, 25	8	113	47	0	0	169	14	20	23	—	—	—	—
Southport	80	62	48	—	—	20, 21, 24, 26	10	146	12	0	0	157	13	20	21	20	24	15	25
Holyhead	60	40	‡	—	—	20, 21, 24 to 26	48	108	12	0	0	202	14	24	6	21	24	6	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	20, 21, 24	13	20, 21, 23 to 26	78	58	18	1	0	202	26	20	16	34	20	16	25
Plymouth	185	88	2	20	10	20 to 22, 24	36	77	45	0	0	—	27	20	15	35	20	14	20
Lyme Regis	556	61	‡	—	—	20	6	52	81	29	0	—	15	20	18	22	20	18	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	24 to 26	12	71	49	36	0	202	13	26	15	—	—	—	—
Quilty	100	40	‡	—	—	24 to 26	13	106	41	8	0	—	13	26	13	19	26	13	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	20, 23 to 26	64	68	28	8	0	191	15	24	4	23	23	22	45
Weaver Pt.	160	30	‡	—	—	23 to 26	27	74	43	16	8	—	16	26	18	23	26	18	10
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	20, 21	10	115	43	0	0	157	16	20	13	26	20	12	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTH WEEK of 1918—January 20th to January 26th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	17	80·5	75·7	78·2	+ 1·7	10	+ 2	22	− 13	7	+ 2	1·71	43	+ 3	0·0	−0·9	0	1001
Eastern.																			
1. SCOTLAND, EAST ...	56	10	80·8	75·7	78·3	+ 2·2	11	+ 2	22	− 18	6	+ 2	1·32	34	+ 20	0·3	−1·4	4	1002
2. ENGLAND, N.E.	56	33	83·4	78·7	81·2	+ 4·6	33	+ 23	0	− 35	4	+ 1	0·52	13	+ 4	1·2	−0·5	15	1008
3. ENGLAND, EAST ...	57	37	83·5	78·7	81·2	+ 4·7	34	+ 25	0	− 37	4	0	0·16	4	− 5	1·6	−0·5	18	1014
4. MIDLAND COUNTIES ...	56	34	84·2	79·7	82·1	+ 5·5	44	+ 33	0	− 38	3	− 1	0·27	7	− 5	1·0	−0·6	13	1011
5. ENGLAND, S.E.	56	37	83·3	79·4	81·4	+ 4·2	36	+ 25	0	− 28	4	0	0·37	9	− 3	1·8	−0·1	21	1013
Western.																			
6. SCOTLAND, WEST ...	51	35	81·6	78·4	80·1	+ 2·9	20	+ 8	1	− 26	7	+ 2	2·16	55	+ 29	0·4	−0·9	4	1004
7. ENGLAND, N.W.	58	38	83·9	80·3	82·2	+ 4·9	46	+ 36	0	− 28	5	+ 1	0·74	19	+ 1	0·8	−0·8	10	1006
8. ENGLAND, S.W.	57	39	83·3	80·5	82·0	+ 3·9	43	+ 28	0	− 21	5	+ 1	0·53	14	− 7	0·9	−0·9	10	1008
9. IRELAND, NORTH ...	56	36	83·3	79·6	81·5	+ 3·4	37	+ 24	0	− 23	7	+ 2	1·02	26	+ 6	0·2	−1·4	2	999
10. IRELAND, SOUTH ...	57	39	83·8	80·8	82·4	+ 3·6	48	+ 28	0	− 17	6	+ 1	1·20	31	+ 11	0·4	−1·5	4	1000
11. ENGLISH CHANNEL ...	56	40	83·6	80·6	82·2	+ 2·4	46	+ 22	0	− 8	4	− 1	0·22	6	− 10	2·3	0·0	26	1010

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, December 2nd, 1917 to January 26th, 1918

0. SCOTLAND, NORTH ...	56	5	77·8	72·1	75·0	− 1·7	20	− 41	397	+142	47	+ 5	9·19	233	− 39	0·5	−0·2	8	1013
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	77·3	71·2	74·3	− 1·8	12	− 44	449	+137	34	+ 1	4·65	118	− 11	1·3	+0·1	19	1015
2. ENGLAND, N.E.	56	9	78·2	72·9	75·7	− 1·1	38	− 30	339	+ 81	29	− 1	3·81	96	+ 4	1·5	+0·2	20	1016
3. ENGLAND, EAST ...	57	14	78·3	72·6	75·5	− 1·2	45	− 31	361	+ 83	31	− 2	3·55	90	− 3	1·8	+0·3	23	1018
4. MIDLAND COUNTIES ...	56	12	78·4	72·7	75·6	− 1·0	53	− 31	357	+ 65	26	− 7	3·26	34	− 26	1·3	0·0	17	1018
5. ENGLAND, S.E.	56	11	78·7	73·3	76·1	− 1·5	61	− 53	328	+118	28	− 3	5·13	130	+ 8	1·9	+0·4	23	1018
Western.																			
6. SCOTLAND WEST ...	52	5	78·6	73·0	75·9	− 1·5	35	− 53	320	+118	39	+ 1	8·09	206	− 26	1·2	+0·2	17	1017
7. ENGLAND, N.W.	58	12	79·0	74·2	76·7	− 0·8	58	− 32	256	+ 50	31	− 3	4·61	116	− 37	1·2	0·0	16	1018
8. ENGLAND, S.W.	57	13	79·3	74·2	76·9	− 1·6	73	− 71	269	+117	28	− 8	5·73	145	− 52	1·8	+0·3	23	1019
9. IRELAND, NORTH ...	56	18	79·5	74·5	77·1	− 0·9	68	− 41	243	+ 64	41	0	5·30	135	− 37	1·0	−0·3	13	1017
10. IRELAND, SOUTH ...	57	19	80·1	74·8	77·6	− 1·3	99	− 70	215	+ 77	34	− 5	5·84	149	− 47	1·3	−0·2	16	1019
11. ENGLISH CHANNEL ...	56	26	81·0	76·8	79·0	− 1·4	141	− 91	107	+ 55	31	−10	4·13	105	− 62	2·1	+0·2	26	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 4 Weeks, December 30th, 1917, to January 26th, 1918.

0. SCOTLAND, NORTH ...	56	5	76·9	70·8	73·9	− 2·6	10	− 16	251	+114	24	+ 4	5·13	130	− 2	0·5	−0·3	7	1008
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	76·7	70·3	73·6	− 2·3	11	− 14	268	+105	19	+ 3	2·95	75	+ 17	1·1	−0·2	15	1009
2. ENGLAND, N.E.	56	9	78·3	73·0	75·8	− 0·6	33	+ 3	174	+ 33	17	+ 3	2·32	58	+ 18	1·4	+0·1	18	1010
3. ENGLAND, EAST ...	57	14	78·6	73·1	76·0	− 0·2	34	+ 3	162	+ 7	17	+ 1	2·51	64	+ 23	1·5	−0·1	19	1013
4. MIDLAND COUNTIES ...	56	12	78·9	73·5	76·3	+ 0·1	44	+ 8	156	− 3	16	0	2·38	61	+ 13	1·2	−0·2	15	1013
5. ENGLAND, S.E.	56	15	79·3	74·0	76·8	− 0·3	46	+ 1	145	+ 24	16	+ 1	3·48	88	+ 38	1·5	−0·1	18	1014
Western.																			
6. SCOTLAND, WEST ...	51	5	78·3	72·6	75·6	− 1·5	23	− 15	178	+ 68	20	+ 1	4·78	121	+ 18	1·1	0·0	15	1010
7. ENGLAND, N.W.	58	12	79·4	74·4	77·0	− 0·1	46	+ 9	126	+ 12	18	+ 2	2·93	74	+ 6	1·2	−0·1	15	1011
8. ENGLAND, S.W.	57	16	79·6	74·9	77·4	− 0·6	54	− 7	124	+ 34	18	+ 1	4·48	114	+ 33	1·4	−0·2	18	1013
9. IRELAND, NORTH ...	56	18	79·2	74·3	76·8	− 1·0	39	− 12	130	+ 33	21	+ 1	3·01	76	− 3	0·8	−0·6	10	1010
10. IRELAND, SOUTH ...	57	19	80·1	75·1	77·7	− 0·9	56	− 22	107	+ 31	17	− 2	3·43	88	0	1·2	−0·4	15	1012
11. ENGLISH CHANNEL ...	56	26	81·2	76·9	79·2	− 0·6	83	− 14	58	+ 23	19	− 1	2·29	59	− 9	2·1	+0·1	25	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: January 31st, 1918.

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AUTHORITY FOR ISSUE
ISSUED ON - - -
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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 5.

THE FIFTH WEEK OF 1918.

SUNDAY, JANUARY 27TH, TO SATURDAY, FEBRUARY 2ND, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The week was remarkable for the uniformity in the weather. The country lay in the track of a current of air from the South between a well established anticyclone on the Continent and an area of low pressure over the North Atlantic. In the west of Ireland the wind was generally strong, the sky was continuously overcast and there was much rain. On the other hand, in the south of England, the conditions were typically anticyclonic, the wind being light and the fine weather interrupted only by fog.

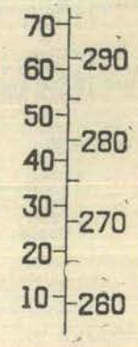
Rainfall was light in nearly all districts. In the eastern counties of England there was practically none. On the other hand, in the south of Ireland nearly every day was wet. At Seskin, on the hills north-west of Waterford, the measurements for January 28th and February 1st were 24mm. and 37mm. respectively, and the total for the week was 91mm. At Killarney the total was 98mm.

Equally striking is the contrast in the amount of sunshine in the south of Ireland and the south of England. At Cahirciveen, Co. Kerry, there was no trace of sunshine during the week, and there was hardly any at Ballinacurra (near Cork) or at Seskin, whereas in Kent and in the Channel Islands there were averages of over six hours. The 30th and 31st were exceptionally fine on the west coast of England, eight hours or more being recorded from Llandudno to Jersey.

In London and in the eastern counties up to the Tay there was much fog. That of the 31st was very dense in the low lying parts of London and was responsible for many fatalities.

Temperature was high throughout the week, and the range was very small; at some of the coast stations there was hardly any variation throughout the week; thus at Portland Bill the maxima (Fahrenheit) for the seven days were 47, 46, 46, 47, 47, 47, 48, and the minima 42, 43, 42, 42, 42, 42, 42. The high temperatures recorded at the stations in Scotland North are of special interest. At Fort Augustus the range was between 281 a. and 287·5 a., and the mean was 7 a. above normal.

The only halos reported during the week were seen at Balmoral and Llandudno on the night of the 27th. An aurora was observed in Scotland on the night of the 30th: it was especially bright as seen after midnight at Dyce, near Aberdeen.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	28	7·2	26	8·8	28	2·9	12	2·5	28	8·1	28	8·2	28	7·6	28	9·8
North	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
West	10	2·6	17	4·3	11	1·0	6	1·3	17	2·1	3	2·2	4	2·1	0	—
East	11	3·0	5	1·2	10	1·5	2	1·6	4	1·6	9	4·3	13	1·9	28	3·1
Calm	0	—	0	—	0	—	16	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Moderate	Light	Light	Very light	Light	Light	Light	Light	Light	Moderate	Heavy	Light
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Abundant	Very abundant	Moderate	Very abundant	Very abundant	Moderate	Scanty	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 9 weeks from Dec. 2nd, 1917.	Warmth ...	1, 4, 4	1, 5, 3	1, 4, 4	1, 3, 5	1, 3, 5	1, 2, 6	2, 2, 5	2, 4, 3	2, 0, 7	2, 4, 3	2, 1, 6	2, 1, 6
	Rainfall ...	0, 6, 3	4, 0, 5	3, 2, 4	1, 4	1, 3, 5	1, 5, 3	2, 4, 3	1, 4, 4	1, 2, 6	2, 4, 3	3, 2, 4	1, 2, 6
	Sunshine ...	2, 3, 4	5, 3, 1	3, 6, 0	2, 7, 0	4, 3, 2	3, 5, 1	3, 5, 1	3, 5, 1	5, 3, 1	2, 3, 4	2, 3, 4	1, 8, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(18865—19.) Wt. 153—442. 450. 2/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	Oxford °F.	°F.		in.	mm.	mm		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	49	29, 30	42	27, 2	46·3	42·0	44·2	+ 6·3	5	0·46	12	− 13										
p Deerness	160	47	28, 30	41	27, 31, 2	45·6	41·9	43·8	—	3	0·31	8	− 14	Deerness	1·9	+ 0·5	25	•	•	•	•	•	•
a Stornoway	51	53	1st	44	27–29	50·3	46·1	48·3	+ 9·7	7	0·93	24	− 8	Stornoway	0·1	− 1·3	1	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	50	28th	46	28, 31–2	48·7	46·3	47·6	+ 6·1	7	0·76	19	—	Castlebay	1·0	•	12	•	•	•	•	•	•
b, Main-land. *a* Wick	81	49	28, 30	40	31–2	47·1	41·3	44·3	+ 7·1	4	0·11	3	− 13	Fort Augustus	0·8	− 0·2	10	•	•	•	•	•	•
p Glencarron	500	57	1, 2	41	2nd	54·1	45·7	50·1	+13·6	4	0·87	22	− 36										
p Fort Augustus..	68	58	2nd	46	27, 29, 2	53·0	47·0	50·1	+13·1	5	0·34	9	− 23										
p Fort William ..	171	56	2nd	45	27, 29, 30	52 0	45·7	49·0	+10·8	6	3·00	76	+ 19										
1. SCOTLAND, E.																							
a Nairn	82	54	29, 2	41	31st	52·1	44·6	48·5	+11·0	1	0·04	1	− 11	Nairn	2·1	—	26	•	•	•	•	•	•
p Gordon Castle	101	54	27–30, 2	38	30th	53·6	43·4	48 7	+10 2	0	0·00	0	− 13	Gordon Castle	2·3	+ 0·1	29	•	•	•	•	•	•
a Aberdeen	46	51	28th	39	31–2	47·3	42·3	44·9	+ 6·7	1	0·07	2	− 12	Aberdeen	1·1	− 0·9	14	0	32	•	•	39·3	−0·1
a Balmoral	930	50	27, 28	34	1st	47·9	40·3	44·3	+ 9·9	3	0·10	3	− 15	Balmoral	•	•	•	2	30	•	•	•	•
p Crieff	432	49	27, 28	30	1st	47·3	37·7	42·7	+ 5·1	5	0·77	20	− 4	Crathes	1·9	—	23	2	30	38·9	+4·3	37·4	−0·2
a Dundee	244	50	27, 28	30	31, 1	46·1	37·6	42·0	+ 4·6	4	0·36	9	− 4	Dundee	1·5	—	19	3	23	35·0	•	•	•
a Leith	30	53	28th	38	1st	51·1	42·9	47·2	+ 7·8	3	0·20	5	− 5	Leith	•	•	•	2	28	•	•	•	•
p Edinburgh	441	53	2nd	38	1st	50·3	42·7	46·7	+ 8·5	2	0·05	1	− 10	Edinburgh	3·7	+ 1·6	45	1	29	•	•	•	•
a West Linton	789	49	2nd	30	1st	46·6	38·4	42·7	+ 7·8	2	0·08	2	—	West Linton	1·5	—	18	2	24	•	•	•	•
p Marchmont	498	52	31st	32	1st	48·4	39·6	44·2	+ 7 2	1	0·10	3	− 11	Marchmont	1·7	− 0·1	20	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	51	1st	42	1st	49·1	44·1	45·7	—	4	1·17	30	—	Ford (Argyll)	•	•	•	0	40	41·5	•	39·2	—
p Glasgow Observatory	180	50	31, 1	41	1st	49·1	44·1	46 7	+ 7·7	4	0·24	6	− 13	Glasgow	0·9	− 0·2	11	0	35	•	•	•	•
p Rothesay	200	50	1st	42	31, 2	48·4	43·1	45·9	+ 6·1	5	0·35	9	− 17	Rothesay	0·8	—	10	0	39	43·1	•	42·2	+0·3
a Kilmarnock	90	52	2nd	41	31st	50·6	44·3	47 6	+ 9·4	4	0·18	5	− 15	Kilmarnock	1·3	—	16	•	•	42·6	•	41·2	•
a Colmonell	170	51	31st	39	31st	49·0	43·7	46·5	+ 7·6	5	0·34	9	− 16	Colmonell	•	•	•	0	36	•	•	•	•
p Cally, Gatehouse	120	47	28, 31, 1	39	30th	46 1	41·1	43·7	+ 5·1	4	0·51	13	− 12	Dumfries	1·3	—	16	2	21	40·4	+3·5	39·9	−0·2
p Dumfries	160	52	31st	33	1st	49·0	39·3	44·3	+ 5·8	4	0·51	13	− 6	Eskdalemuir	1·4	—	17	2	23	•	•	•	•
a Eskdalemuir	794	49	31st	29	31st	46·7	36·1	41·6	—	5	1·18	30	—										
b, I. OF MAN *p* Douglas	277	49	30, 31	42	31, 1	47·3	43·3	45·4	+ 4·6	4	0·40	10	− 11	Douglas	1·8	− 0·2	21	0	37	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle	210	54	27, 29, 30	26	1st	49·4	35·1	42·5	+ 3·7	2	0·13	3	− 11										
a Tynemouth	71	52	27th	32	2nd	46·1	38·4	42·4	+ 3·0	1	0·08	2	− 8	Cockle Park	3·5	+ 1·2	42	5	19	39·0	+3·1	40·0	+0·8
p Durham	336	51	27, 29	29	1st	45·0	35·3	40·3	+ 2·3	2	0·04	1	− 9	Durham	2·1	+ 0·1	25	2	38	•	•	•	•
p Rounton	249	49	27, 28	28	1st	44·1	34·8	39·5	+ 1·5	3	0·12	3	− 7	Rounton	•	•	•	4	23	38·8	•	•	•
a West Witton	605	50	28, 29	23	1st	45·4	33·4	39·6	—	3	0·10	3	—	West Witton	•	•	•	5	22	39·4	•	38·8	•
p Scarborough	100	52	27th	34	1st	45·4	37·9	41·8	+ 2·1	2	0·12	3	− 9	Scarborough†	3·9	+ 2·0	45	•	•	•	•	40·2	•
p York	56	51	27th	28	1st	44·9	31·7	40·0	+ 0·9	2	0·30	8	− 3	York	1·3	− 0·2	15	•	•	40·1	+2·3	41·3	+0·1
b, South .. *a* Spurn Head	26	48	27th	30	1st	42·7	34·7	38·9	− 0·4	1	0·12	3	− 6	Spurn Head	3·0	—	35	•	•	•	•	•	•
a Lincoln	58	53	27th	28	1st	43·2	33·3	38 5	− 0·1	2	0·20	5	− 5	Lincoln	•	•	•	5	24	39·7	+3·4	41·3	+0·8
a Fulbeck	180	54	27th	27	1, 2	44·4	33·3	39·1	+ 0·6	3	0·34	9	− 1	Rauceby	1·8	− 0·5	21	•	•	40·4	+2·3	42·1	−0·4
														Skegness	3·1	+ 0·7	36	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	53	27, 30	28	1, 2	45·7	32·1	39·2	+ 0·3	6	0·07	2	− 8	Cromer	3·4	+ 0·9	39	•	•	•	•	•	•
a Little Massingham	280	51	27, 30	26	1st	44·9	32·3	38·9	+ 0·6	4	0·07	2	− 11	Lit. Massingham	2·8	+ 0·6	32	•	•	•	•	•	•
a Yarmouth	13	46	28th	33	1, 2	42 3	34·9	38 8	+ 0·2	1	0 04	1	− 10	Yarmouth	3·0	—	34	3	28	40·3	+3·0	43·3	+0·9
a Norwich	93	50	27th	28	31st	44·0	32·7	38·6	0·0	5	0·06	2	− 10	Norwich	3·0	—	31	5	24	37·4	•	•	•
a Geldeston	37	53	30th	23	31st	47·0	31·0	39·3	+ 0·2	5	0·05	1	− 9	Geldeston	3·3	+ 0·9	38	•	•	•	•	•	•
p Cambridge	41	51	27, 30	29	31st	46·9	32·3	39·9	+ 1·0	1	0·06	2	− 8	Cambridge	3·4	+ 1·0	39	5	22	39·5	+1·9	42·5	+0·5
a Clacton-on-Sea	54	47	27th	34	1, 2	43·7	36·4	40·2	+ 1·4	4	0·08	2	− 7	Clacton	4·2	+ 1·6	47	2	27	39·3	+0·2	42·3	−1·1
a Rothamsted	424	51	27th	24	31st	43·7	29·3	36·8	− 1·6	4	0·11	3	− 11	Rothamsted	2·0	− 0·3	22	6	21	39·1	•	•	•
p Tottenham	51	50	27th	27	31st	44·1	32·7	38·6	− 0·4	1	0·08	2	—	Tottenham	0·0	—	0	•	•	•	•	43·0	−0·2
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	51	28th	28	1, 2	43·1	33·6	38·5	+ 0·6	2	0·18	5	− 10	Harrogate	0·9	− 1·3	10	4	26	39·6	+2·1	40·7	+1·0
p Sheffield	429	50	27th	31	2nd	48·0	35·6	42·1	—	2	0·16	4	—	Sheffield	2·8	+ 0·9	33	4	24	40·0	+3·1	41·1	+0·1
p Buxton	987	47	31st	28	1st	44·9	33 9	39·6	+ 4·1	2	0·27	7	− 20	Buxton	3·3	—	38	4	24	38·6	+2·2	40·1	−1·3
b, East .. *a* Bawtry	65	53	27th	24	31st	44·7	33·0	39·1	+ 0·1	2	0 22	6	− 4	Worksop	1·8	+ 0·1	21	5	19	33·8	•	41·7	•
a Nottingham	82	53	27th	23	31, 1, 2	47·7	31·7	40·0	+ 1·0	2	0·24	6	− 5	Nottingham	2·7	+ 1·1	31	5	22	39·1	+2·9	40·6	+1·3
p Birmingham, Edgbsn.	535	50	27th	33	1st	48·1	36·3	42·4	+ 3·3	1	0·08	2	− 10	Birmingham	3·7	+ 2·2	43	4	26	41·7	+2·8	44·0	+0·3
a Raunds	203	54	27th	23	31, 1	46·7	29 0	38·2	0·0	2	0·22	6	− 4	Raunds	3·3	—	38	6	16	40·4	•	42·5	•
p Oxford	208	50	27th	27	31st	46·9	34·6	41·0	+ 1·2	2	0·25	6	− 5	Oxford	3·2	+ 1·0	36	5	19	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	48	27th	32	31, 1, 2	45·7	34·9	40·5	+ 2·6	2	0·28	7	− 8	Cheadle	•	•	•	4	27	•	•	•	•
p Shrewsbury	191	52	27th	33	1st	49·6	37·7	43·9	+ 3 7	3	0·08	2	− 8	Shrewsbury	•	•	•	3	26	•	•	•	•
a Hereford§	291	49	28th	28	31st	46·9	36·3	41·8	+ 2·4	1	0·08	2	− 11	Malvern§	3·5	—	40	2	21	40·7	•	42·5	•
a Clifton	229	51	1, 2	36	31, 1	49·7	39·1	44·6	+ 3·9	2	0·07	2	− 18	Clifton	3·4	—	38	0	31	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	48	31–2	27	31, 1	47·0	34·1	40·8	+ 2·2	2	0·07	2	− 14	Worthing	5·9	+ 3·2	66	5	24	40·4	+1·1	43·7	−0·1
p Salisbury (Wilton)	180	49	30th	28	31st	47·2	33·8	40·8	+ 1 7	3	0·11	3	− 15	Marlborough	2·5	+ 0·6	28	2	21	41·7	•	43·5	•
a Wisley, Surrey	150	53	27th	24	31st	46·6	31·6	39·4	0 0	3	0·08	2	− 9	Salisbury	•	•	•	5	26	42·0	•	•	•
a Tunbridge Wells	354	52	27th	30	1st	48·6	34·3	41 7	+ 2·7	1	0·02	1	− 14	Wisley	3·6	+ 1·6	40	7	15	39·8	+1·7	43·0	+0·9
a Margate	51	52	27, 28	32	1, 2	48 6	36·0	42·6	+ 2 3	1	0·01	0·2	− 9	Tunbridge Wells	4·3	+ 2·1	48	4	21	41·4	+5·0	43·3	•
														Margate	6·3	+ 4·1	71	3	25	41·0	+1·3	43·4	+0·2
a Dungeness	21	46	27, 29, 30	34	1, 2	44·4	37·6	41·1	+ 0·9	5	0·06	2	− 9	Folkestone	6·3	—	74	•	•	•	•	43·9	•
p St. Leonards	178	48	27–29	36	1st	46·1	38·4	42·4	+ 1·9	2	0·08	2	− 12	St. Leonards	5·9	+ 3·2	66	0	31	39·1	•	42·2	•
p Southampton	64	50	27, 28, 31	31	30th	48·6	36·6	42·8	+ 1·5	2	0·15	4	− 12	Southampton	3·0	+ 0·6	34	5	22	•	•	•	•
a Ventnor	59	50	27, 30, 31	40	27, 29, 30	48·9	40·6	44·9	+ 2·4	3	0·11	3	− 12	Ventnor	5·5	+ 2·8	61	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	51	27th	26	31st	43·9	29·7	37·1	− 3·0	1	0·09	2	− 8	Richmond	2·2	+ 0·3	25	6	22	39·6	+1·7	42·6	−0·4
a Westminster	27	53	27th	—	—	49·6	—	—	—	1	0·09	2	− 8	Westminster	2·6	+ 1·5	29	4	27	•	•	•	•
ag Greenwich	149	53	27th	28	31, 1	49·3	32·1	41·0	+ 2·0	1	0·16	4	− 5	Greenwich	5·2	+ 3·5	58	7	20	•	•	•	•
a Hampstead	450	50	27th	26	1st	45 4	33 6	39·7	—	5	0·10	3	—	Hampstead	2·2	—	25	6	23	•	•	•	•
ag Camden Square	110	51	27th	29	31st	45·9	34·0	40·2	+ 0·2	2	0·09	2	− 9	Camden Square	0·6	− 0·9	7	6	25	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	52	31st	41	30, 31	50·3	43·6	47·1	+ 8·4	2	0·09	2	− 19	Aspatria	2·4	+ 0·6	29	0	33	42·2	+3·3	42·0	−0·8
p Newton Rigg	559	50	31, 1	35	1st	48·3	38·6	43·6	+ 6·2	3	0·04	1	− 21	Newton Rigg	2·5	+ 0·9	30	4	27	40·3	+2·9	39·7	−0·4
p Stonyhurst	375	50	1st	33	29th	48·7	37·9	43·5	+ 5·0	2	0·46	12	− 13	Stonyhurst	2·7	+ 1·2	31	3	28	•	•	•	•
p Blackpool	66	52	28th	36	30th	49 3	39·7	44·7	+ 5·3	2	0·20	5	− 11	Blackpool	2·4	+ 0·5	28	0	32	42 8	•	43·7	•
a Southport	37	53	28th	35	30th	50·0	39·0	44·7	+ 5 2	2	0·21	5	− 10	Southport	3·5	+ 1 6	41	0	33	40·2	+3·9	41·8	+2·0
														Hoylake	3·8	+ 1·9	44	•	•	•	•	•	•
a Liverpool (Bidston)	188	53	27th	35	1st	49·0	38·1	43·8	+ 3·8	2	0·09	2	− 10	Liverpool	3·0	—	35	1	30	•	•	•	•
a Hawarden Bridge	22	55	27th	34	31, 1	50·9	37·6	44 5	+ 3·9	0	0·00	0	− 10	Manchester (City)	2·0	+ 1·2	23	0	33	41·0	+3·7	42·6	+0·3
p Manchester (Whit. Pk.)	125	52	31, 1	34	31st	50·7	38·3	44·8	+ 4·8	2	0·32	8	− 6	Whitworth Park	3·7	+ 2·8	43	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	53	31, 2	40	30th	55·1	44·9	50·2	+ 8 3	0	0·00	0·1	− 16	Llandudno	4·8	+ 2·8	56	•	•	•	•	•	•
a Holyhead	15	53	1st	43	30th	49·9	41·6	47·4	+ 5·4	4	0·32	8	− 10	Holyhead	1·8	—	21	0	40	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge,	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall, No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
a Aberystwyth	59	56	31st	42	30th	53·7	44·6	49·3	—	3	0·05	1	—	Aberystwyth ..	4·5	+ 2·3	52	•	•	•	•	•	•
a Rhayader	757	51	29th	29	30th	49·3	35·9	42·9	—	3	0·25	6	—	Rhayader ..	4·3	—	49	4	23	•	•	•	•
a St. Ann's Head	149	52	28th	44	30–2	48·3	44·6	46·5	+ 3·7	3	0·24	6	- 13	St, Ann's Head ..	2·9	+ 0·6	33	•	•	•	•	•	•
p Cardiff	202	50	1st	34	31, 1	48·4	37·7	43·3	+ 3·5	2	0·42	11	- 9	Cardiff	3·3	—	37	3	24	42·2	+3·3	43·7	+0·9
b, ENGLAND, S.W.																							
a Bath	66	52	31, 1	35	1st	51·3	39·0	45·4	+ 5·2	1	0·01	0	- 14	Bath	•	•	•	•	•	43·4	+4·5	44·1	+0·8
a Shaftesbury	722	—	—	35	1st	—	37·4	—	—	1	0·06	1	- 14	Shaftesbury ..	•	•	•	•	•	42·2	•	42·9	•
a Arlington	613	51	2nd	38	29, 30	49·6	41·0	45·5	+ 5·8	2	0·34	9	- 18										
a Hartland Quay ..	100	56	1st	43	1st	54·1	45·1	49·8	—	3	0·25	6	—										
a Newquay	190	53	29, 31	43	28, 29, 31	51·6	44·4	48·1	+ 4·5	2	0·28	7	- 11	Newquay ..	4·2	+ 1·8	47	0	38	46·7	•	46·5	•
a Cullompton	202	52	30, 31, 1	35	31st	50·4	40·6	45·7	+ 5·2	2	0·23	6	- 13	Cullompton ..	3·1	+ 1·1	34	3	25	44·6	•	•	•
a Portland Bill	19	48	2nd	42	27, 29–2	46·9	42·1	44·6	+ 2·2	2	0·24	6	- 7	Weymouth ..	3·4	—	38	•	•	•	•	•	•
p Plymouth	116	53	29th	42	30th	51·0	45·1	48·2	+ 5·5	2	0·60	15	- 4	Plymouth ..	4·7	+ 2·4	52	0	38	45·1	+3·8	46·0	•
a Falmouth	167	53	29, 31	44	28th	50 7	45·3	48·1	+ 4·4	2	0·46	12	- 13	Falmouth ..	3·7	+ 1·2	41	0	38	46·9	•	47·1	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	54	29, 30	42	1st	52·0	44·7	48·5	+ 7·7	2	0·08	2	- 14	Malin Head ..	1·7	—	20	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	57	31st	44	28th	53·0	46·9	50·1	+ 7·7	7	1·46	37	+ 8	Markree Castle	1·1	- 0·5	13	0	37	45·8	+5·6	43·6	-0·3
{ *p* Markree Castle ..	122	57	30th	41	2nd	55·1	47·7	51·6	+11·7	4	0·84	21	- 2										
b, East .. { *p* Armagh	196	54	2nd	43	27th	51·9	46·0	49·1	+ 9·4	2	0·09	2	- 13	Armagh	2·0	+ 0·3	23	0	41	44·4	+4·7	43·0	+0·1
{ *a* Donaghadee	101	50	1st	43	28th	48·7	44·4	46·6	+ 5·9	4	0·17	4	- 11										
10. IRELAND, S.																							
p Dublin, City	47	57	28th	43	27th	54·0	47·3	50·8	+ 8·6	2	0·02	1	- 11	Dublin City ..	•	•	•	0	38	•	•	•	•
a Birr Castle	175	55	2nd	40	1, 2	53·1	44·4	48·8	+ 8·4	4	0·41	10	- 4	Trinity Coll. ..	•	•	•	1	27	45·5	+5·0	44·7	+1·2
a Kilkenny	212	52	30, 31, 2	42	27th	51·0	46·0	48·6	+ 7·9	5	0·91	23	+ 7	Phœnix Park ..	2·7	+ 0·6	31	1	27	•	•	•	•
a Waterford	20	51	31, 2	46	27, 28, 31	50·1	46·7	48·5	+ 6·4	5	1·25	32	+ 13	Birr Castle ..	1·3	- 0·6	15	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	541	49	27, 30	43	27th	47·9	45·0	46·5	—	7	3·59	91	—	Seskin	0·1	—	1	0	38	•	•	•	•
a Cahir	199	53	2nd	41	27th	51·0	45·1	48·2	+ 7·2	7	1·79	45	—										
a Foynes	50	56	29th	44	27th	53·9	47·4	50·8	+ 8·5	7	0·51	13	- 6										
a Cahirciveen (Val. Obs.)	30	54	31st	48	27, 28	52·4	49·7	51·1	+ 6·6	7	2·91	74	+ 44	Cahirciveen ..	0·0	- 1·9	0	0	46	•	•	•	•
a Killarney	174	54	29, 31–2	46	27, 28	53·2	49·0	51·2	+ 8·3	7	3·84	98	+ 67	Ballinacurra ..	0·0	- 2·2	0	•	•	•	•	•	•
a Roche's Point	32	50	31, 1	45	27th	49·3	46·6	48·0	+ 4·4	7	1·66	42	+ 20										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	28, 29	47	28–1	51·1	47·6	49·4	+ 3·7	4	0·17	4	- 13	Scilly	3·7	+ 1·2	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	51	31st	39	30, 31, 1	49·0	40·1	44·7	+ 1·6	0	0·00	0·1	- 16	St. Heliers ..	6·8	+ 4·0	75	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	51	30, 31, 1	40	27th	49·6	42·4	46·1	+ 2·4	3	0·08	2	- 16	Guernsey† ..	5·6	+ 3·1	62	0	32	44·5	+2·1	45·8	0·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 2nd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	26 to 28, 31, 1	27	112	29	0	0	169	13	28	1	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	31	116	12	9	180	10	28	5	20	28	2	50
Aberdeen	153	105	52	—	—	—	—	38	129	1	0	202	10	28	16	17	28	4	45
Edinburgh	485	39	31	27 to 29	11	27 to 30	53	48	54	2	0	202	19	29	1	29	28	18	40
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	27	1	27 to 29	44	42	43	38	0	202	18	27	1	28	27	0	15
Paisley	188	81	52	—	—	27, 28	7	52	99	10	0	214	13	28	1	24	28	0	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	20	107	41	0	214	8	28	14	16	28	13	50
South Shields	72	61	12	—	—	—	—	3	91	74	0	236	8	28	11	14	28	10	20
Spurn Head	66	40	‡	—	Instrument dismounted for		repair.	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	16	146	6	0	157	8	1	{19 / 23}	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	60	107	1	0	157	9	2	1	11	2	2	5
Shoeburyness	103	90	‡	—	—	—	—	27	117	24	0	180	8	28	24	11	28	11	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	43	89	36	0	135	9	1	18	14	1	19	55
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	17	151	0	0	—	8	28	11	15	28	9	50
Brighton	261	53	6	—	—	—	—	13	148	7	0	—	6	1	19	11	1	20	10
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	53	113	2	0	169	9	2	4	13	1	23	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	0	55	113	0	202	5	28	14	10	28	10	45
7. ENGLAND, N.W.																			
Carnforth	248	56	23	—	—	—	—	•	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	—	—	1	2	150	16	0	0	135	11	1	23	—	—	—	—
Southport	80	62	48	—	—	1	1	160	7	0	0	135	11	1	20	17	28	3	40
Holyhead	60	40	‡	—	—	27 to 29, 1, 2	28	140	0	0	0	180	13	1	21	20	1	21	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	27, 28, 31, 1, 2	30	134	4	0	0	180	13	2	20	17	2	19	45
Plymouth	185	88	2	—	—	—	—	104	64	0	0	—	10	2	20	15	1	18	15
Lyme Regis	556	61	‡	—	—	—	—	14	72	82	0	—	7	1	13	12	2	23	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	28, 31, 1	27	107	34	0	0	169	14	1	15	—	—	—	—
Quilty	100	40	‡	—	—	27, 28, 30, 31, 1	57	100	11	0	0	—	16	31	1	23	31	1	15
Cahirciveen (Val. Obs.)	98	41	‡	1	3	27 to 31, 1, 2	108	57	0	0	0	157	18	1	8	35	1	8	5
Weaver Pt.	160	30	‡	1	1	27 to 31, 1	66	85	13	0	3	—	17	1	16	25	1	15	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	1	10	137	19	0	2	180	12	1	20	17	1	16	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory

** For Deerness the week ends at midnight on Friday

*Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTH WEEK of 1918—January 27th to February 2nd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	40	83·3	80·0	81·7	+ 5·6	40	+ 33	0	− 38	5	− 1	0·95	24	− 11	0·9	−0·3	12	1014
Eastern.																			
1. SCOTLAND, EAST ...	54	30	82·6	78·1	80·4	+ 4·5	27	+ 20	2	− 41	2	− 2	0·17	4	− 11	2·0	+0·1	25	1018
2. ENGLAND, N.E.	54	26	80·2	74·8	77·6	+ 0·8	8	− 1	27	− 5	2	− 2	0·16	4	− 7	2·6	+0·6	30	1025
3. ENGLAND, EAST ...	53	23	80·1	73·3	76·8	0·0	8	− 2	37	+ 3	3	− 1	0·07	2	− 9	2·8	+0·4	32	1029
4. MIDLAND COUNTIES ...	54	23	81·3	74·4	78·0	+ 1·1	14	+ 3	31	− 2	2	− 2	0·17	4	− 9	2·6	+0·7	30	1027
5. ENGLAND, S.E.	53	24	81·3	74·8	78·2	+ 0·6	14	+ 1	29	+ 3	2	− 2	0·08	2	− 11	4·6	+2·3	51	1029
Western.																			
6. SCOTLAND, WEST ...	52	33	82·2	79·1	80·7	+ 3·6	27	+ 18	0	− 29	4	− 1	0·46	12	− 14	1·4	−0·2	16	1021
7. ENGLAND, N.W.	56	33	83·2	77·6	80·5	+ 3·1	32	+ 21	5	− 20	2	− 3	0·17	4	− 14	3·2	+1·5	37	1022
8. ENGLAND, S.W.	53	29	82·7	78·2	80·6	+ 2·4	28	+ 12	2	− 18	2	− 3	0·29	7	− 14	3·9	+1·7	44	1024
9. IRELAND, NORTH ...	57	40	84·3	80·6	82·5	+ 4·7	50	+ 37	0	− 23	4	− 1	0·51	13	− 7	1·6	−0·1	18	1013
10. IRELAND, SOUTH ...	57	40	84·1	81·3	82·8	+ 4·1	53	+ 33	0	− 18	6	+ 1	1·48	38	+ 18	1·0	−1·0	11	1015
11. ENGLISH CHANNEL ...	52	39	82·9	79·3	81·2	+ 1·4	33	+ 9	0	− 7	2	− 3	0·08	2	− 15	5·4	+2·7	59	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, December 2nd, 1917 to February 2nd, 1918.

0. SCOTLAND, NORTH ...	58	5	78·4	73·0	75·8	− 0·8	60	− 8	397	+104	52	+ 4	10·14	257	− 50	0·6	−0·2	8	1013
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	77·8	72·0	75·0	− 1·1	39	− 24	451	+ 96	36	− 1	4·82	122	− 22	1·4	+0·2	19	1015
2. ENGLAND, N.E.	56	9	78·4	73·1	75·9	− 0·9	46	− 31	366	+ 76	31	− 3	3·97	100	− 3	1·6	+0·3	22	1017
3. ENGLAND, EAST ...	57	14	78·5	72·7	75·7	− 1·0	53	− 33	398	+ 86	34	− 3	3·62	92	− 12	1·9	+0·3	24	1019
4. MIDLAND COUNTIES ...	56	12	78·7	72·9	75·9	− 0·7	67	− 28	388	+ 63	28	− 9	3·43	88	− 35	1·5	+0·2	19	1018
5. ENGLAND, S.E.	56	11	79·0	73·5	76·4	− 1·2	75	− 52	357	+121	30	− 5	5·21	132	− 3	2·2	+0·6	27	1019
Western.																			
6. SCOTLAND, WEST ...	52	5	79·0	73·7	76·4	− 1·0	62	− 35	320	+ 89	43	0	8·55	218	− 40	1·2	+0·1	17	1017
7. ENGLAND, N.W.	58	12	79·5	74·6	77·1	− 0·4	90	− 11	261	+ 30	33	− 6	4·78	120	− 51	1·4	+0·2	19	1018
8. ENGLAND, S.W.	57	13	79·6	74·7	77·3	− 1·1	101	− 59	271	+ 99	30	−11	6·02	152	− 66	2·1	+0·5	26	1019
9. IRELAND, NORTH ...	57	18	80·0	75·2	77·7	− 0·3	118	− 4	243	+ 41	45	− 1	5·75	146	− 46	1·0	−0·3	14	1016
10. IRELAND, SOUTH ...	57	19	80·6	75·5	78·1	− 0·8	152	− 37	215	+ 59	40	− 4	7·32	187	− 29	1·2	−0·4	16	1018
11. ENGLISH CHANNEL ...	56	26	81·2	77·4	79·2	− 1·1	174	− 82	107	+ 48	33	−13	4·21	107	− 77	2·5	+0·5	30	1020

THE YEAR 1918.—Aggregates, &c., for the Period of 5 Weeks, December 30th, 1917, to February 2nd, 1918.

0. SCOTLAND, NORTH ...	58	5	78·1	72·6	75·5	− 0·9	50	+ 17	251	+ 76	29	+ 3	6·08	154	− 13	0·6	−0·3	8	1009
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	77·8	71·9	75·0	− 0·9	38	+ 6	270	+ 64	21	+ 1	3·12	79	+ 6	1·2	−0·2	17	1010
2. ENGLAND, N.E.	56	9	78·7	73·3	76·1	− 0·4	41	+ 2	201	+ 28	19	+ 1	2·48	62	+ 11	1·6	+0·1	21	1013
3. ENGLAND, EAST ...	57	14	78·9	73·2	76·1	− 0·2	42	+ 1	199	+ 10	20	0	2·58	66	+ 14	1·7	−0·1	22	1016
4. MIDLAND COUNTIES ...	56	12	79·4	73·7	76·7	+ 0·3	58	+ 11	187	− 5	18	− 2	2·55	65	+ 4	1·5	0·0	18	1015
5. ENGLAND, S.E.	56	15	79·7	74·2	77·0	− 0·2	60	+ 2	174	+ 27	18	− 1	3·56	90	+ 27	2·1	+0·3	25	1017
Western.																			
6. SCOTLAND, WEST ...	52	5	79·1	73·9	76·6	− 0·5	50	+ 3	178	+ 39	24	0	5·24	133	+ 4	1·2	0·0	16	1012
7. ENGLAND, N.W.	58	12	80·1	75·0	77·7	+ 0·5	78	+ 30	131	− 8	20	− 1	3·10	78	− 8	1·6	+0·2	20	1013
8. ENGLAND, S.W.	57	16	80·2	75·5	78·0	0·0	82	+ 5	126	+ 16	20	− 2	4·77	121	+ 19	1·9	+0·2	23	1015
9. IRELAND, NORTH ...	57	18	80·2	75·6	77·9	+ 0·1	89	+ 25	130	+ 10	25	0	3·52	89	− 10	0·9	−0·5	12	1010
10. IRELAND, SOUTH ...	57	19	80·9	76·4	78·7	+ 0·1	109	+ 11	107	+ 13	23	− 1	4·91	126	+ 18	1·1	−0·6	14	1012
11. ENGLISH CHANNEL ...	56	26	81·5	77·4	79·6	− 0·2	116	− 5	58	+ 16	21	− 4	2·37	61	− 24	2·7	+0·6	32	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : February 7th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON 21

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 6.

THE SIXTH WEEK OF 1918.

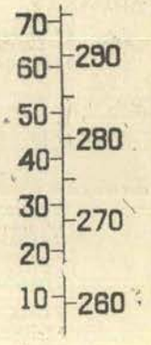
SUNDAY, FEBRUARY 3RD, TO SATURDAY, FEBRUARY 9TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week pressure was highest over Central Europe. The anticyclone moved slowly southwards as the week progressed, but the low pressure was maintained off our western and north-western coasts throughout. Strong winds from between South and South-West prevailed generally, and during the latter half of the week increased to gale force at numerous places. Temperature was everywhere high and was fairly uniform; the mean for the week ranged from 279 a. in Scotland North and East to 282 a. in England South-West, Ireland South, and the Channel Islands, the deviation from normal being +2·5 a. to +4·5 a. Ground frosts were rare and were confined to the eastern half of Britain. Rain fell on six or seven days in most districts; the measurements were not generally large, but on the 6th 35mm. fell at Huddersfield, 32mm. at Arlington (North Devon) and 26mm. at Manchester. A thunderstorm occurred in Fenland on Saturday evening, accompanied by hail; thunder or lightning, singly, occurred over a much larger area. Bright sunshine was slightly in excess of the normal in Scotland E. and Ireland, and below it over England; 7¼ hours were reported at Dublin on the 4th and at Nairn on the 5th.

A solar halo was observed at Clacton-on-Sea on the 5th, the Zodiacal light at Oxford on the 8th, and Aurora in Scotland on the 9th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	7·0	28	6·0	28	3·8	26	4·8	28	5·5	27	5·5	28	6·0	28	6·8
North	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
West	10	2·4	24	5·3	18	4·1	21	3·5	25	5·3	25	7·3	17	5·6	20	4·4
East	14	2·9	2	0·9	3	1·6	0	—	0	—	0	—	6	2·1	7	2·2
Calm	0	—	0	—	0	—	2	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual
	Rainfall ...	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Heavy	Very heavy	Moderate
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 10 weeks from Dec. 2nd, 1917.	Warmth ...	2, 4, 4	2, 5, 3	2, 4, 4	2, 3, 5	2, 3, 5	2, 2, 6	3, , 5	3, 4, 3	3, 0, 7	3, 4, 3	3, 1, 6	3, 1, 6
	Rainfall ...	0, 7, 3	4, 1, 5	4, 2, 4	1, 5, 4	2, 3, 5	1, 6, 3	2, 5, 3	2, 4, 4	2, 2, 6	3, 4, 3	4, 2, 4	1, 3, 6
	Sunshine ...	2, 4, 4	5, 4, 1	3, 6, 1	2, 7, 1	4, 3, 3	3, 5, 2	3, 6, 1	3, 6, 1	5, 3, 2	2, 4, 4	2, 4, 4	1, 8, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914. Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(16001—19.) Wt. 53—442. 450. 2/18 D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a, Islands.. a Lerwick	54	45	5, 8	37	8th	43·9	39·3	41·6	+ 3·8	6	0·64	16	- 4										
p Deerness	160	45	3-5	38	7, 9	44·1	40·1	42·1	—	1	0·08	2	- 17										
a Stornoway	51	49	3, 4, 7	39	9th	47·4	42·0	44·7	+ 6·1	7	1·34	34	+ 6	Deerness	2·2	+ 0·7	27	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	49	7th	41	9th	47·4	43·1	45·3	+ 4·1	7	0·67	17	—	Stornoway	1·2	- 0·4	14	•	•	•	•	•	•
b, Mainland. a Wick	81	46	3, 5, 7	35	7th	45·1	38·9	42·0	+ 4·8	3	0·07	2	- 12	Castlebay	1·8	—	21	•	•	•	•	•	•
p Glenearron	500	53	3, 7	34	9th	48·0	38·4	43·2	+ 6·7	6	2·30	58	+ 11										
p Fort Augustus	68	55†	3rd	35	9th	50·1	40·9	45·5	+ 8·4	7	2·48	63	+ 32	Fort Augustus..	1·0	- 0·2	12	•	•	•	•	•	•
p Fort William	171	54	3rd	35	9th	48·1	40·7	44·4	+ 6·2	7	3·51	89	+ 42										
1. SCOTLAND, E.																							
a Nairn	82	53	3rd	36	7, 9	48·7	39·1	43·9	+ 6·6	5	0·46	12	0										
p Gordon Castle	101	53	3rd	35	7th	50·3	39·0	44·7	+ 6·4	2	0·09	2	- 10	Nairn	3·4	—	40	•	•	•	•	•	•
a Aberdeen	46	49	7th	34	7, 8	46·7	38·9	42·8	+ 4·8	3	0·15	4	- 9	Gordon Castle..	3·0	—	35	•	•	•	•	•	•
a Balmoral	930	48	3rd	33	9th	45·3	38·0	41·7	+ 7·5	5	0·36	9	- 8	Aberdeen	2·3	- 0·1	27	1	28	•	•	•	•
p Crieff	432	51	4th	33	6th	47·6	37·3	42·5	+ 4·9	7	0·68	17	- 6	Balmoral	•	•	•	2	30	•	•	40·4	+1·2
a Dundee	244	51	7th	36	7th	47·9	37·9	42·9	+ 5·7	5	0·13	3	- 9	Crathes	2·3	- 0·4	27	1	24	38·6	+3·3	38·8	+1·2
a Leith	30	54	3rd	41	6, 9	49·9	42·7	46·3	+ 7·1	4	0·43	11	+ 2	Dundee	2·1	—	24	2	29	37·4	•	•	•
p Edinburgh	441	54	7th	36	9th	49·4	41·0	45·2	+ 7·2	6	0·60	15	+ 5										
a West Linton	769	51	3rd	37	6th	47·6	40·7	44·2	+ 6·2	5	0·89	23	—	Leith	•	•	•	0	31	•	•	•	•
p Marchmont	498	53	3rd	30	5th	47·9	36·0	42·0	+ 5·1	5	0·54	14	+ 1	Edinburgh	3·0	+ 0·4	35	0	35	•	•	•	•
6. a. SCOTLAND, W.														West Linton	2·2	—	25	0	32	•	•	•	•
a Ford (Argyll)	149	51	4, 7, 8	38	9th	48·9	41·7	44·9	—	7	2·02	51	—	Marchmont	1·9	- 0·3	22	0	•	•	•	•	•
p Glasgow Observatory	180	51	7th	39	9th	47·7	42·7	45·2	+ 6·3	7	0·94	24	+ 5										
p Rothesay	200	52	4th	36	9th	48·1	41·1	44·6	+ 4·9	7	1·46	37	+ 10	Ford (Argyll)	•	•	•	0	33	42·3	•	41·0	—
a Kilmarnock	90	52	4, 7	38	6th	49·3	41·8	45·5	+ 7·2	7	0·83	21	0	Glasgow	1·8	+ 0·3	21	0	36	•	•	•	•
a Colmonell	170	52	4, 7	40	5th	49·3	42·1	45·7	+ 7·0	7	1·18	30	+ 4	Rothesay	0·9	—	10	0	33	42·7	•	43·1	+1·4
p Cally, Gatehouse	120	49	7th	40	5, 6, 9	46·3	41·3	43·8	+ 5·3	6	1·45	37	+ 10	Kilmarnock	2·0	—	23	•	•	42·7	•	42·2	•
p Dumfries	160	51	7th	39	9th	47·9	41·3	44·6	+ 6·1	7	1·10	28	+ 8	Colmonell	•	•	•	0	37	•	•	•	•
a Eskdalemuir	794	48	3, 7	36	6th	44·9	38·7	41·8	—	7	2·09	53	—	Dumfries	0·7	—	8	0	31	41·7	+4·2	41·0	+1·0
b. I. OF MAN p Douglas	277	51	7th	42	6, 9	48·6	43·4	46·0	+ 5·4	6	1·03	26	+ 4	Eskdalemuir	0·2	—	2	0	32	•	•	•	•
2. ENGLAND, N.E.														Douglas	2·1	- 0·3	24	0	38	•	•	•	•
a Alnwick Castle	210	53	7th	33	6th	49·4	37·1	43·3	+ 5·0	6	0·43	11	0										
a Tynemouth	71	53	7th	35	3rd	49·6	40·3	45·0	+ 6·1	3	0·31	8	0										
a North.. a Durham	336	52	4th	36	3, 5, 6	49·6	38·3	44·0	+ 6·4	6	0·51	13	0	Cockle Park	2·3	- 0·3	26	3	26	38·8	+2·4	39·9	+0·8
p Rounton	249	53	7th	37	5th	50·0	40·9	45·5	+ 7·9	7	0·62	18	+ 5	Durham	1·9	- 0·4	21	1	29	•	•	•	•
a West Witton	605	51	7th	33	3rd	48·6	39·0	43·8	—	7	1·84	47	+ 7	Rounton	•	•	•	1	28	39·5	•	•	•
p Scarborough	100	53	7th	38	3rd	50·3	42·1	46·2	+ 6·9	6	0·91	23	—	West Witton	•	•	•	1	29	39·6	•	39·6	•
p York	56	54	7th	39	6th	50·7	42·1	46·4	+ 7·6	6	0·54	14	+ 13	Scarborough†	0·8	- 1·4	9	•	•	•	•	40·7	•
b, South.. a Spurn Head	26	52	7th	34	3rd	48·3	40·0	44·2	+ 5·3	5	0·28	7	+ 5	York	0·5	- 1·3	6	•	•	40·6	+2·6	41·5	+0·5
a Lincoln	58	54	8th	34	3rd	50·6	41·5	46·2	+ 7·6	6	0·29	7	0										
a Fulbeck	180	55	7th	37	3rd	51·1	41·3	46·4	+ 8·2	6	0·63	16	- 2	Spurn Head	1·6	—	18	•	•	•	•	•	•
3. ENGLAND, E.													+ 7	Lincoln	•	•	•	0	33	41·2	+4·5	41·7	+1·4
p Cromer	196	55	7th	33	3rd	51·4	39·4	45·4	+ 6·8	6	0·28	7	0	Rauceby	2·3	- 0·3	25	•	•	42·1	+3·3	42·5	+0·2
a Little Massingham	280	53	7, 8	32	3rd	50·6	39·1	44·9	+ 6·7	6	0·41	11	+ 1	Skegness	2·1	- 0·6	23	•	•	•	•	•	•
a Yarmouth	13	55	7, 8	35	3rd	50·9	40·9	45·9	+ 7·6	4	0·24	6	- 3	Cromer	2·3	- 0·3	25	•	•	•	•	•	•
a Norwich	93	55	7th	36	3rd	51·1	41·7	46·4	+ 7·9	6	0·46	12	+ 2	Lit. Massingham	1·7	- 0·5	19	•	•	•	•	•	•
a Geldeston	37	56	7th	34	3rd	52·0	40·3	46·2	+ 7·3	5	0·21	5	- 3	Yarmouth	1·7	—	19	1	29	40·6	+1·2	43·3	+1·1
p Cambridge	41	55	7th	39	6th	52·1	42·9	47·5	+ 8·7	5	0·26	7	- 1	Norwich	2·2	—	24	0	36	40·6	•	•	•
a Clacton-on-Sea	54	51	7, 9	35	3rd	47·3	40·3	43·8	+ 5·3	6	0·27	7	0	Geldeston	2·2	- 0·2	24	•	•	•	•	•	•
a Rothamsted	424	53	7th	35	3rd	49·6	41·6	45·6	+ 7·4	6	0·41	10	- 1										
p Tottenham	51	55	7th	41	3rd	51·4	44·6	48·0	+ 9·0	7	0·29	7	—	Cambridge	2·0	- 0·4	22	0	31	42·1	+3·9	42·3	+0·5
4. MIDLAND COUNTIES.														Clacton	2·1	- 0·6	23	0	37	41·4	+1·8	42·5	-0·8
a North.. a Harrogate	479	53	4, 7	33	3rd	49·1	38·6	43·9	+ 6·3	6	1·64	42	+ 39	Rothamsted	1·4	- 0·9	15	0	34	41·3	•	•	•
p Sheffield	429	55	7th	40	6th	51·0	43·3	47·2	—	7	1·78	45	—	Tottenham	1·3	—	14	•	•	•	•	42·6	-0·4
p Buxton	987	51	7th	38	6th	48·3	40·9	44·6	+ 9·1	6	2·85	72	+ 48										
b, East. a Bawtry	65	55	7th	35	3rd	51·6	41·4	46·5	+ 7·7	5	0·65	17	+ 8	Harrogate	1·1	- 1·1	12	1	30	40·4	+2·7	40·6	+1·1
a Nottingham	82	54	7, 9	32	3rd	50·1	41·1	46·4	+ 7·7	7	0·92	23	+ 13	Sheffield	1·4	- 0·6	16	0	36	40·7	+3·4	41·2	+0·5
p Birmingham, Edgbsn.	535	52	7th	40	6th	50·1	42·3	46·2	+ 7·5	6	0·81	21	+ 10	Buxton	0·7	—	8	0	31	39·8	+3·1	40·3	-0·7
a Raunds	203	55	7th	33	3rd	51·1	40·4	45·8	+ 7·8	5	0·47	12	+ 3	Worksop	1·2	- 0·6	13	0	32	41·6	•	41·4	•
p Oxford	208	54	9th	41	6th	50·9	44·1	47·5	+ 8·0	6	0·57	14	+ 4	Nottingham	1·0	- 0·8	11	0	32	41·0	+4·3	40·2	+1·1
c, West. a Cheadle (N. Staffs.)	646	53	4th	36	3rd	50·1	39·6	44·9	+ 7·3	7	1·33	34	+ 21	Birmingham	1·2	- 0·4	13	0	35	43·4	+4·1	44·0	+0·6
p Shrewsbury	191	57	4th	40	5, 6	52·4	43·0	47·7	+ 7·9	6	0·87	22	+ 13	Raunds	1·8	—	20	0	31	40·5	•	•	•
a Hereford§	291	56	5th	42	8th	51·0	43·9	47·3	+ 8·2	7	0·61	16	+ 3	Oxford	1·3	- 0·9	14	0	36	•	•	43·0	•
a Clifton	229	54	9th	43	6th	52·1	44·9	48·5	+ 8·1	6	1·55	39	+ 20	Cheadle	•	•	•	1	30	•	•	•	•
5. ENGLAND, S.E.														Shrewsbury	•	•	•	0	32	•	•	•	•
a Marlborough	424	52	7th	39	8th	50·0	41·6	45·8	+ 7·6	7	0·56	14	- 2	Malvern§	1·5	—	16	0	34	42·3	•	42·3	•
p Salisbury (Wilton)	180	53	9th	40	3, 6	50·5	42·3	46·4	+ 7·7	7	1·06	27	+ 9	Clifton	1·6	—	17	0	40	•	•	•	•
a Wisley, Surrey	150	54	7th	39	3rd	50·9	44·0	47·5	+ 8·4	6	0·39	10	- 2										
a Tunbridge Wells	354	51	8th	38	3, 4	49·1	42·4	45·8	+ 7·1	5	0·45	11	- 4	Worthing	1·2	- 1·3	13	0	35	42·7	+2·6	43·6	0·0
a Margate	51	53	9th	40	3rd	50·4	42·6	46·5	+ 6·7	4	0·19	5	- 4	Marlborough	0·9	- 0·8	10	0	37	43·7	•	43·8	•
a Dungeness	21	48	9th	38	3rd	46·7	42·4	44·6	+ 4·9	6	0·28	7	- 4	Salisbury	•	•	•	0	37	43·7	•	•	•
p St. Leonards	178	50	9th	41	3rd	47·4	43·3	45·4	+ 5·4	7	0·42	11	- 2	Wisley	1·4	- 0·4	15	1	30	42·5	+3·8	42·7	+0·7
p Southampton	64	52	8th	43	3rd	49·9	45·3	47·6	+ 6·6	6	0·76	19	+ 4	Tunbridge Wells	0·4	- 1·7	4	0	38	43·2	+6·6	43·2	•
a Ventnor	59	51	9th	43	4th	48·1	44·3	46·2	+ 4·3	6	0·43	11	- 3	Margate	1·1	- 1·0	12	0	36	43·4	+3·2	43·2	+0·6
LONDON. p Richmond (Kew Obs.)	18	55	7th	42	3, 4, 6	51·3	44·6	48·0	+ 8·2	6	0·33	8	- 2	Folkestone	0·6	—	6	•	•	•	•	•	•
a Westminster	27	56	9th	35	3rd	52·9	43·8	48·4	+ 8·0	7	0·38	10	0	St. Leonards	0·2	- 2·2	2	0	38	42·3	•	43·6	•
ag Greenwich	149	56	7th	37	3rd	51·9	43·3	47·6	+ 8·6	7	0·37	9	0	Southampton	0·6	- 1·6	6	0	34	•	•	42·1	•
a Hampstead	450	52	7th	40	3, 6	49·4	42·3	45·9	—	7	0·48	12	—	Ventnor	1·3	- 1·2	14	•	•	•	•	•	•
ag Camden Square	110	55	7th	37	3rd	51·7	43·6	47·7	+ 8·0	7	0·49	12	+ 1	Richmond	1·6	- 0·1	17	0	32	41·9	+3·4	42·6	-0·2
7. a. ENGLAND, N.W.														Westminster	1·8	+ 0·7	19	0	34	•	•	•	•
f Aspatria (Mealsgate)	487	50	3rd	39	6, 7, 9	47·9	41·4	44·7	+ 6·3	6	1·39	35	+ 14	Greenwich	2·0	+ 0·2	22	0	33	•	•	•	•
p Newton Rigg	559	51	4, 7	38	7th	49·0	40·7	44·9	+ 7·9	7	1·57	40	+ 48	Hampstead	1·5	—	16	0	31	•	•	•	•
p Stonyhurst	375	52	4th	39	5th	49·3	41·7	45·5	+ 7·2	6	2·22	56	+ 33	Camden Square	1·0	- 0·4	11	0	34	•	•	•	•
p Blackpool	66	51	4th	39	6th	49·0	42·4	45·7	+ 6·6	7	1·10	28	+ 13										
a Southport	37	55	4th	40	6th	50·9	42·6	46·8	+ 7·5	5	0·99	25	+ 11	Aspatria	1·1	- 0·9	12	0	38	42·4	+3·3	42·6	0·0
a Liverpool (Bidston)	188	53	4, 7, 9	40	3, 6	51·0	42·7	46·9	+ 7·2	5	0·57	15	+ 4	Newton Rigg	1·0	- 0·9	11	1	29	41·4	+3·8	40·5	+0·7
a Hawarden Bridge	22	56	4th	41	6th	52·3	43·4	47·9	+ 7·5	5	0·54	14	+ 4	Stonyhurst	0·9	- 0·8	10	•	32	•	•	•	•
p Manchester (Whit. Pk.)	125	56	4th	41	6th	52·1	43·3	47·7	+ 7·8	5	1·99	51	+ 38	Blackpool	1·5	- 0·7	17	0	33	43·2	•	44·0	•
b. NORTH WALES.														Southport	2·0	- 0·2	22	0	33	41·9	+5·1	41·8	+2·2
p Llandudno	16	56	9th	41	5th	53·7	44·9	49·3	+ 7·7	6	1·02	26	+ 12	Hoylake	2·3	+ 0·3	25	0	32	•	•	•	•
a Holyhead	15	52	3rd	44	5, 6	50·1	45·0	47·6	+ 6·0	6	0·83	21	+ 5	Liverpool	2·4	—	27	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Manchester (City)	0·4	- 0·6	4	0	32	39·6	+2·0	42·1	+1·1
a Beddgelert	309	56	3	35	6	53.1	43·0	48.1	+8.0	7	4.88	124	—	Whitworth Park	1·0	- 0·2	11	•	•	•	•	•	•
														Llandudno	2·8	+ 0·6	31	•	•	•	•	•	•
														Holyhead	2·2	—	24	0	39	•	•	•	•
														Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	°F.	%		°F.	°F.	°F.	°F.
a. SOUTH WALES																						
a Aberystwyth	59	55	3rd	42	5,8	50·6	44·7	47·7	—	6	1·31	33	—	Aberystwyth ..	1·9	— 0·2	21	•	•	•	•	•
a Rhayader	767	51	4th	39	5th	48·9	42·1	45·5	—	7	2·63	67	—	Rhayader ..	1·4	—	15	0	34	•	•	•
a St. Ann's Head ..	149	49	9th	45	5,6	48·1	45·7	46·9	+ 4·5	6	1·04	26	+ 8	St, Ann's Head	2·5	+ 0·3	27	•	•	•	•	•
p Cardiff	202	55	4th	42	6th	51·1	43·9	47·5	+ 7·7	7	1·58	40	+ 21	Cardiff	1·7	—	18	0	36	43·6	+4·2	44·0	+1·4
b. ENGLAND, S.W.																						
a Bath	66	55	7,9	44	3rd	53·1	45·7	49·4	+ 9·3	5	0·79	20	+ 6	Bath	•	•	•	•	•	44·5	+5·6	44·5	+1·6
a Shaftesbury	722	—	—	40	6th	—	41·9	—	—	6	0·85	17	+ 2	Shaftesbury ..	•	•	•	•	•	43 6	•	43·4	•
a Arlington	613	53	4th	41	6th	50·0	43·5	46·8	+ 7·3	7	2·36	60	+ 34										
a Hartland Quay ..	100	54	3, 4	45	6th	50·9	46·9	48·9	—	5	1·03	26	—										
a Newquay	190	55	4th	41	5th	52·4	44·9	48·7	+ 5·5	5	0·73	19	+ 2	Newquay ..	2·1	— 0·2	22	0	34	47·9	•	47·1	•
a Cullompton	202	54	7, 9	40	6th	52·3	44·0	48·2	+ 7·8	7	0·69	18	0	Cullompton ..	0·8	— 1·2	9	0	31	45·3	•	•	•
a Portland Bill	12	49	9th	43	3rd	48·0	44·3	46·2	+ 4·1	6	0·39	10	— 3	Weymouth ..	1·1	—	12	•	•	•	•	•	•
p Plymouth	116	52	6, 8, 9	46	5, 6, 8	51·0	47·0	49·0	+ 6·6	5	0·65	17	— 2	Plymouth ..	1·0	— 1·3	11	0	42	46·7	+5·0	46·3	•
a Falmouth	167	54	4th	42	6th	52·4	45·0	48·7	+ 5·3	6	1·22	31	+ 7	Falmouth ..	1·6	— 0·8	17	0	36	47·8	•	47·8	•
9. IRELAND, N.																						
a, West .. a Malin Head	208	51	3rd	37	9th	47·9	41·0	44·5	+ 3·9	7	0·83	21	+ 5	Malin Head ..	2·9	—	33	•	•	•	•	•	•
a Blacksod Point ..	327	50	3, 7	40	5, 8, 9	48,1	42·0	45·1	+ 2·9	7	1·61	41	+ 14	Markree Castle	2·2	+ 0·2	24	1	29	44·5	+4·0	45·1	+1·5
p Markree Castle ..	122	55	3rd	36	9th	50·4	41·0	45·7	+ 5·8	7	2·03	52	+ 29										
b, East .. p Armagh	196	54	7th	39	5, 6	49·1	42·3	45·7	+ 6·0	7	1·23	31	+ 16	Armagh	2·9	+ 0·9	32	0	37	44·1	+4·3	44·2	+1·5
a Donaghadee	101	53	7th	40	5, 6, 9	49·1	42·1	45·6	+ 5·0	7	0·87	22	+ 7										
10. IRELAND, S.																						
p Dublin, City	47	55	7th	42	5th	53·0	44·7	48·9	+ 6·7	7	0·44	11	— 2	Dublin City ..	•	•	•	0	38	•	•	•	•
a Birr Castle	175	54	7th	39	5, 6	51·7	41·7	46·7	+ 6·2	7	1·18	30	+ 14	Trinity Coll. ..	•	•	•	0	34	45·6	+4·8	45·7	+2·3
a Kilkenny	212	54	7th	40	5, 6	52·3	43·3	47·8	+ 7·0	7	1·57	40	+ 23	Phœnix Park ..	3·2	+ 0·9	35	0	34	•	•	•	•
a Waterford	20	53	4, 6	42	5, 9	51·6	44·4	48·0	+ 5·8	7	1·05	27	+ 5	Birr Castle ..	2·2	+ 0·1	24	1	30	•	•	•	•
p Seskin, Carrick-on-Suir	541	54	5th	40	5, 8	51·0	42 7	46·9	—	7	1·86	47	—	Seskin	1·9	—	21	0	34	•	•	•	•
a Cahir	199	53	6, 7	37	5th	51·6	41·3	46·5	+ 5·5	7	1·93	49	—										
a Foynes	50	55	7th	39	5th	52·3	42·1	47·2	+ 4·9	7	1·87	48	+ 27										
a Cahirciveen (Val. Obs.)	30	51	9th	42	5, 6, 9	51·9	44·6	48·3	+ 4·0	7	2·60	66	+ 32	Cahirciveen ..	1·8	— 0·4	20	0	40	•	•	•	•
a Killarney	174	56	3rd	42	5, 6	53·4	44·6	49·0	+ 6·2	7	2·82	72	+ 37	Ballinacurra ..	1·9	— 0·5	26	•	•	•	•	•	•
a Roche's Point	32	53	6th	45	5th	50·6	46·4	48·5	+ 5·0	7	1·46	37	+ 12										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	52	3, 4, 7	46	5th	51·4	47·4	49·4	+ 4·3	5	0·59	15	— 1	Scilly	2·9	+ 0·5	31	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	54	9th	43	5, 6	50·6	44·3	47·5	+ 4·8	6	0·33	8	— 7	St. Heliers ..	1·7	— 1·0	18	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	9th	45	6th	50·0	46·3	48·2	+ 4·9	5	0·42	11	— 5	Guernsey† ..	1·7	— 0·8	18	0	40	45·6	+2·9	46·0	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 9th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	2, 4 to 7	17	104	47	0	0	146	13	5	5	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	16	117	35	0	214	7	8	15	15	5	23
Aberdeen	153	105	52	—	—	—	—	52	97	19	0	180	9	5	23	16	6	9
Edinburgh	486	39	31	—	—	5 to 9	31	96	41	0	0	203	13	7	20	22	9	23
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	4 to 9	28	102	33	5	0	191	13	6	5	22	6	5
Paisley	188	81	52	—	—	—	—	71	89	8	0	203	10	5	1	20	5	2
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	30	105	33	0	236	9	9	7	19	8	18
South Shields	72	61	12	—	—	—	—	15	84	69	0	270	9	9	18	17	9	16
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	68	100	0	0	225	10	9	17	—	—	—
Gorleston	52	42	‡	—	—	6, 9	14	95	59	0	0	225	13	9	16	19	9	17
Shoeburyness	103	90	‡	—	—	6, 9	19	100	47	2	0	225	14	6	18	21	6	23
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	6, 7, 9	18	105	45	0	0	225	13	9	16	21	6	23
5. ENGLAND, S.E.																		
Warlingham	642	33	‡	—	—	6	2	122	44	0	0	—	12	6	20	20	6	23
Brighton	261	53	6	—	—	7, 9	4	120	44	0	0	—	12	7	2	17	9	17
S. Farnboro' (Eyestock Tower).	443	152	‡	—	—	4, 6 to 9	48	94	26	0	0	225	16	9	19	23	9	19
Richmond (Kew Obs.)..	82	65	22	—	—	9	3	84	67	14	0	214	12	9	12	21	9	14
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	9	1	34	102	11	20	214	11	9	15	22	9	14
Fleetwood (Cup Anr.) ..	109	44	—	9	1	6, 9	10	130	27	0	0	203	18	9	14	—	—	—
Southport	80	62	48	9	3	6 to 9	28	124	15	0	0	236	21	9	17	29	9	16
Holyhead	60	40	‡	—	—	4, 6 to 9	44	122	2	0	0	225	16	9	12	26	9	12
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	4, 6, 9	15	3 to 9	67	62	19	5	0	180	21	4	5	27	9	13
Plymouth	185	88	2	—	—	4, 6, 9	14	81	62	11	0	—	15	4	6	19	4	6
Lyme Regis	556	61	‡	—	—	6, 7, 9	21	84	37	26	0	—	14	9	15	18	9	15
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	9	4	4, 6, 8, 9	26	95	42	1	0	225	20	9	13	—	—	—
Quilty	100	40	‡	9	2	3, 4, 7 to 9	22	124	20	0	0	—	20	9	10	30	9	10
Cahirciveen (Val. Obs.)	98	41	‡	9	3	3, 4, 6 to 9	50	115	9	0	0	225	19	9	11	28	9	10
Weaver Pt.	160	30	‡	9	3	3, 4, 6 to 9	36	110	19	0	0	—	18	9	11	27	9	10
11. ENGLISH CHANNEL																		
Scilly	150	32	‡	—	—	4, 9	8	114	46	0	0	180	12	4	3	21	8	8

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory
*Above tops of trees.
** For Deerness the week ends at midnight on Friday

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTH WEEK of 1918—February 3rd to February 9th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	34	81·4	77·4	79·4	+ 3·3	20	+ 15	6	− 33	6	+ 1	1·72	44	+ 15	1·5	0·0	18	998
Eastern.																			
1. SCOTLAND, EAST ...	54	30	81·9	76·9	79·4	+ 3·6	23	+ 16	8	− 36	5	+ 1	0·45	11	− 3	2·4	+0·1	28	1002
2. ENGLAND, N.E.	55	33	83·0	77·7	80·3	+ 3·7	29	+ 19	4	− 31	6	+ 2	0·50	13	+ 4	1·7	−0·7	18	1009
3. ENGLAND, EAST ...	56	32	83·4	78·1	80·8	+ 4·1	31	+ 21	2	− 32	6	+ 2	0·32	8	− 1	1·8	−0·6	20	1015
4. MIDLAND COUNTIES ...	57	32	83·6	78·5	81·1	+ 4·4	32	+ 21	0	− 37	6	+ 2	0·94	24	+ 12	1·3	−0·8	14	1013
5. ENGLAND, S.E.	55	38	82·7	79·3	81·0	+ 3·7	31	+ 18	0	− 29	6	+ 2	0·49	12	− 2	0·9	−1·2	10	1016
Western.																			
6. SCOTLAND, WEST ...	52	36	82·0	78·5	80·2	+ 3·3	21	+ 12	0	− 31	7	+ 2	1·25	32	+ 6	2·0	0·0	22	1005
7. ENGLAND, N.W.	56	38	83·3	79·0	81·2	+ 4·0	34	+ 24	0	− 28	6	+ 2	1·24	32	+ 15	1·7	−0·3	18	1008
8. ENGLAND, S.W.	55	39	83·3	80·0	81·7	+ 3·7	39	+ 24	0	− 23	6	+ 2	1·20	31	+ 11	1·6	−0·6	17	1013
9. IRELAND, NORTH ...	55	36	82·7	78·4	80·6	+ 2·9	26	+ 12	1	− 23	7	+ 2	1·29	33	+ 13	2·6	+0·5	28	1001
10. IRELAND, SOUTH ...	56	37	84·1	79·5	81·8	+ 3·1	41	+ 21	0	− 19	7	+ 2	1·66	42	+ 19	2·3	+0·1	25	1006
11. ENGLISH CHANNEL ...	54	43	83·4	80·8	82·1	+ 2·5	45	+ 22	0	− 10	5	+ 1	0·45	11	− 5	2·1	−0·5	22	1016

THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, December 2nd, 1917 to February 9th, 1918.

0. SCOTLAND, NORTH ...	58	5	78·7	73·4	76·1	− 0·5	80	+ 7	403	+ 71	58	+ 5	11·86	301	− 35	0·7	−0·1	9	1012
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	78·3	72·5	75·5	− 0·5	62	− 8	459	+ 60	41	0	5·27	133	− 25	1·5	+0·1	20	1014
2. ENGLAND, N.E.	56	9	78·9	73·6	76·3	− 0·4	75	− 12	370	+ 45	37	− 1	4·47	113	+ 1	1·6	+0·2	21	1016
3. ENGLAND, EAST ...	57	14	79·0	73·2	76·2	− 0·5	84	− 12	400	+ 54	40	− 1	3·94	100	− 13	1·9	+0·2	24	1019
4. MIDLAND COUNTIES ...	57	12	79·2	73·5	76·4	− 0·2	99	− 7	388	+ 26	34	− 7	4·37	112	− 23	1·5	+0·1	18	1019
5. ENGLAND, S.E.	56	11	79·4	74·0	76·8	− 0·8	106	− 34	357	+ 92	36	− 3	5·70	144	− 5	2·0	+0·3	25	1019
Western.																			
6. SCOTLAND WEST ...	52	5	79·3	74·2	76·8	− 0·5	83	− 23	320	+ 58	50	+ 2	9·80	250	− 34	1·3	+0·1	17	1016
7. ENGLAND, N.W.	58	12	79·9	75·0	77·5	0·0	124	+ 13	261	+ 2	39	− 4	6·02	152	− 36	1·5	+0·2	19	1017
8. ENGLAND, S.W.	57	13	80·0	75·2	77·7	− 0·7	140	− 35	271	+ 76	36	− 9	7·22	183	− 55	2·0	+0·4	25	1019
9. IRELAND, NORTH ...	57	18	80·3	75·5	78·0	+ 0·1	144	+ 8	244	+ 18	52	+ 1	7·04	179	− 33	1·2	−0·2	16	1015
10. IRELAND, SOUTH ...	57	19	80·9	75·9	78·5	− 0·3	193	− 16	215	+ 40	47	− 2	8·98	229	− 10	1·3	−0·4	17	1017
11. ENGLISH CHANNEL ...	56	26	81·4	77·5	79·5	− 0·7	219	− 60	107	+ 38	38	−12	4·66	118	− 82	2·4	+0·4	29	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 6 Weeks, December 30th, 1917, to February 9th, 1918.

0. SCOTLAND, NORTH ...	58	5	78·7	73·4	76·1	− 0·2	70	+ 32	257	+ 43	35	+ 4	7·80	198	+ 2	0·7	−0·3	10	1007
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	78·5	72·7	75·7	− 0·2	61	+ 22	278	+ 28	26	+ 2	3·57	90	+ 3	1·4	−0·2	19	1009
2. ENGLAND, N.E.	56	9	79·4	74·1	76·8	+ 0·3	70	+ 21	205	− 3	25	+ 3	2·98	75	+ 15	1·6	0·0	20	1013
3. ENGLAND, EAST ...	57	14	79·7	74·0	76·9	+ 0·5	73	+ 22	201	− 22	26	+ 2	2·90	74	+ 13	1·8	−0·1	21	1016
4. MIDLAND COUNTIES ...	57	12	80·1	74·5	77·4	+ 1·0	90	+ 32	187	− 42	24	0	3·49	89	+ 16	1·4	−0·2	17	1015
5. ENGLAND, S.E.	56	15	80·2	75·0	77·7	+ 0·5	91	+ 20	174	− 2	24	+ 1	4·05	102	+ 25	1·9	+0·1	23	1017
Western.																			
6. SCOTLAND, WEST ...	52	5	79·6	74·6	77·2	+ 0·1	71	+ 15	178	+ 8	31	+ 2	6·49	165	+ 10	1·3	0·0	17	1011
7. ENGLAND, N.W.	58	12	80·7	75·7	78·3	+ 1·1	112	+ 54	131	− 36	26	+ 1	4·34	110	+ 7	1·6	+0·1	20	1013
8. ENGLAND, S.W.	57	16	80·8	76·3	78·6	+ 0·6	121	+ 29	126	− 7	26	0	5·97	152	+ 30	1·9	+0·1	22	1015
9. IRELAND, NORTH ...	57	18	80·7	76·1	78·4	+ 0·6	115	+ 37	131	− 13	32	+ 2	4·81	122	+ 3	1·2	−0·3	15	1009
10. IRELAND, SOUTH ...	57	19	81·4	76·9	79·2	+ 0·6	150	+ 32	107	− 6	30	+ 1	6·57	168	+ 37	1·3	−0·5	16	1011
11. ENGLISH CHANNEL ...	56	26	81·8	78·0	80·0	+ 0·4	161	+ 17	58	+ 6	26	− 3	2·82	72	− 29	2·6	+0·4	30	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: February 14th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON 25

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 7.

THE SEVENTH WEEK OF 1918.

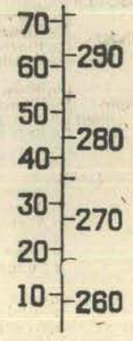
SUNDAY, FEBRUARY 10TH, TO SATURDAY, FEBRUARY 16TH, 1918.

Price 6d., Post free 1d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week barometric pressure was low in the Iceland region and high over southern Europe, strong South-Westerly and Westerly winds prevailed over the British Islands, with high temperatures generally ,and with heavy rain over our north-western districts (Nos. 6, 7 and 9). During the latter portion of the week, after a period of calm, gloomy weather on Wednesday and Thursday, the highest pressure was situated over Scandinavia, and a South-Easterly current of wind became established over Britain with much cooler weather. The maximum temperatures of the week occurred on Sunday almost everywhere, and the lowest on Saturday except in Scotland. The absolute highest was 288 a. at Bath and Cullompton, and the lowest, in the screen, 270 a. at Salisbury. Grass minima of 269 a. and below were registered at some stations on Saturday. Rainfall was heavy in Scotland West, England North-West, and Ireland North; individual measurements of from 12mm. to 25mm. being common on the 10th and 12th, while at Beddgelert there were 38mm. and 64mm. on those two days. For the period as a whole bright sunshine was deficient in all districts and at some stations in Ireland and Lancashire there was scarcely any. On Saturday, however, over south-eastern England between 8½ hr. and 9 hr. was recorded; at St. Leonards 9·3 hr. Fog prevailed locally over eastern Britain from the 12th to the 14th; thunder was heard at Durham on the 11th, and lightning was seen at West Linton on the 12th.

A solar halo and parhelia were observed at Aberdeen on the 10th, and Aurora in the north of Scotland on the nights of the 10th and 11th. The zodical light was seen at Oxford on the 10th, and a lunar halo on the 16th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	6·9	20	6·2	22	3·7	22	3·8	21	6·7	21	6·5	21	5·1	24	6·1
North	1	0·8	5	2·1	5	3·8	4	3·0	4	1·7	6	3·1	4	2·2	3	3·3
West	9	6·6	14	4·7	15	4·4	16	3·4	20	4·6	18	6·2	14	5·1	13	4·9
East	15	5·1	9	1·7	12	4·1	11	2·1	2	1·5	1	3·2	3	1·7	13	2·0
Calm	1	—	1	—	0	—	1	—	1	—	0	—	1	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual
Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Heavy	Moderate	Light	Heavy	Moderate	Light
Sunshine ...	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 11 weeks from Dec. 2nd, 1917. Warmth ...	2, 5, 4	2, 6, 3	3, 4, 4	3, 3, 5	3, 3, 5	2, 3, 6	4, 2, 5	4, 4, 3	4, 0, 7	4, 4, 3	4, 1, 6	4, 1, 6
Rainfall ...	0, 8, 3	4, 2, 5	4, 3, 4	1, 6, 4	2, 4, 5	1, 6, 4	3, 5, 3	2, 5, 4	2, 2, 7	4, 4, 3	4, 3, 4	1, 3, 7
Sunshine ...	2, 4, 5	5, 4, 2	3, 6, 2	2, 7, 2	4, 3, 4	3, 5, 3	3, 6, 2	3, 6, 2	5, 3, 3	2, 4, 5	2, 4, 5	1, 8, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914. Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(16105—19.) Wt. 153—442. 450. 2/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	45	10th	34	12, 13	42·6	37·1	39·9	+ 2·1	4	0·65	16	− 5										
p Deerness	160	45	15th	36	10th	43·6	38·6	41·1	—	4	0·43	11	− 9	Deerness	1·9	− 0·2	21	•	•	•	•	•	•
a Stornoway	51	48	13, 15	33	12th	46·1	37·7	41·9	+ 3·2	6	1·10	28	− 2	Stornoway	1·8	− 0·5	20	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	55	13th	39	10th	47·9	43·3	45·6	+ 4·6	5	0·56	14	—	Castlebay	1·3	—	14	•	•	•	•	•	•
b, Main-land. a Wick	81	48	15th	34	11, 12	44·3	37·9	41·1	+ 3·7	3	0·28	7	− 9										
p Glencarron	500	49	15th	32	10-12	45·3	35·7	40·5	+ 3·8	6	1·32	34	− 17										
p Fort Augustus..	68	54	14, 16	32	12th	47·3	37·4	42·4	+ 5·1	5	0·67	17	− 11	Fort Augustus..	0·5	− 1·2	6	•	•	•	•	•	•
p Fort William ..	171	48	13-16	36	11, 12	46·7	38·1	42·4	+ 3·9	6	1·51	38	− 12										
1. SCOTLAND, E.																							
a Nairn	82	50	15th	31	12th	45·6	35·1	40·4	+ 2·7	5	0·31	8	− 3	Nairn	0·8	—	9	•	•	•	•	•	•
p Gordon Castle ..	101	52	15th	33	11th	46·4	37·9	42 2	+ 3 5	2	0·10	3	− 9	Gordon Castle..	2·0	—	22	•	•	•	•	•	•
a Aberdeen	46	49	10th	32	12th	44·4	36·6	40·5	+ 2·1	4	0·56	14	+ 1	Aberdeen	1·4	− 1·4	15	2	25	•	•	40·4	+1·1
a Balmoral	930	45	15th	28	12th	42·3	35·7	39·0	+ 4·5	5	0·45	11	− 6	Balmoral	•	•	•	2	26	•	•	•	•
p Crieff	432	48	11th	30	11th	44·3	35·3	39·8	+ 1·7	7	1·19	30	+ 9	Crathes ..	1·3	− 1·7	14	3	22	37·6	+2·0	38·9	+1·3
a Dundee	244	49	11th	33	11th	45·1	37·7	41·4	+ 3·8	5	0·41	10	− 2	Dundee ..	1·2	—	13	1	29	38·4	•	•	•
a Leith	30	47	11, 12, 15	37	11th	46·1	40·0	43·1	+ 3·5	5	0 64	16	+ 7	Leith	•	•	•	0	35	•	•	•	•
p Edinburgh	441	48	12, 13	35	10th	46·4	38·4	42·4	+ 4·0	5	0 55	14	+ 4	Edinburgh	0·5	− 2·5	5	0	32	•	•	•	•
a West Linton	769	46	12th	33	11th	43·1	37·7	40·4	+ 4·9	3	1·12	28	—	West Linton	0·2	—	2	0	32	•	•	•	•
p Marchmont	498	48	11th	34	11th	44·7	37·0	40·9	+ 3·6	4	0·43	11	+ 2	Marchmont	0·7	− 1·9	8	•	•	•	•	•	•
'6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	51	13th	36	11th	46·9	40·5	43·7	—	6	1·28	33	—	Ford (Argyll)	•	•	•	0	35	41·7	•	41·5	—
p Glasgow Observatory	180	48	12th	36	10, 11	46·6	39·4	43·0	+ 3·8	5	1·15	29	+ 9	Glasgow..	0·7	− 0·9	8	0	34	•	•	•	•
p Rothesay	200	46	11-13, 16	36	10th	45·7	39·1	42·4	+ 2·4	6	2·27	58	+ 30	Rothesay	0·5	—	5	0	34	41·7	•	43·5	+1·7
a Kilmarnock	90	49	13th	37	14th	47·3	41·3	44·3	+ 5·6	4	2·15	55	+ 34	Kilmarnock	0·4	—	4	•	•	42·3	•	42·8	•
a Colmonell	170	50	13th	41	10, 11	47·9	43·0	45·5	+ 6·6	5	2·06	52	+ 26	Colmonell	•	•	•	0	37	•	•	•	•
p Cally, Gatehouse	120	52	13th	37	11th	46 1	40·7	43·4	+ 4·5	5	2·49	63	+ 35	Dumfries	0·4	—	4	3	27	41·8	+3·5	41·9	+1·7
p Dumfries	160	49	10, 13	38	16th	47·0	40·7	43·9	+ 5·0	5	1·30	33	+ 12	Eskdalemuir	0·4	—	4	0	34	•	•	•	•
a Eskdalemuir	794	46	10, 11, 13	34	11th	44·0	37·4	40·7	—	5	2·54	64	—										
b, I. OF MAN p Douglas	277	50	13th	41	10, 16	47·4	42·9	45·2	+ 4·4	4	1·48	38	+ 15	Douglas ..	0·2	− 2·4	2	0	38	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle	210	50	10th	35	16th	45·9	38·1	42·0	+ 3·4	4	0·24	6	− 6										
a Tynemouth	71	50	10, 12	36	16th	45·4	40·3	42·9	+ 3·7	4	0·28	7	− 2	Cockle Park	1·1	− 1·8	12	0	32	40·6	+3·7	40·7	+1·5
p Durham	336	51	11th	33	16th	46·7	38·9	42·3	+ 4·3	3	0·22	6	− 2	Durham	0·9	− 1·6	10	0	33	•	•	•	•
p Rounton	249	51	11, 12	33	16th	46·6	39·7	43·2	+ 5·2	4	0·26	7	− 3	Rounton	•	•	•	1	28	41·7	•	•	•
a West Witton	605	48	10-12	36	16th	45·1	39·9	42·5	—	4	0·86	22	—	West Witton	•	•	•	0	33	41·8	•	40·1	•
p Scarborough	100	52	10th	36	16th	48·1	41·9	45·0	+ 5·3	4	0·45	11	0	Scarborough†	0·9	− 1·6	10	•	•	•	•	41·0	•
p York	56	52	10-12	32	16th	47·6	40·9	44·3	+ 5·1	3	0·17	4	− 5	York	0·6	− 1·5	6	•	•	42·7	+4·2	42·3	+1·4
b, South .. a Spurn Head	26	51	10, 12	32	16th	45·1	40·0	42·6	+ 3·4	4	0·39	10	+ 2	Spurn Head	0·9	—	10	•	•	•	•	•	•
a Lincoln	58	53	10, 12	32	16th	47·4	42·2	44 8	+ 5·9	3	0·27	7	− 2	Lincoln ..	•	•	•	1	27	43·6	+6·3	42·7	+2·5
a Fulbeck	180	53	10th	31	16th	46·6	41·7	44·2	+ 5·4	5	0·30	8	− 1	Rauceby	1·2	− 1·7	12	•	•	44·4	+4·9	43·4	+1·1
3. ENGLAND, E.														Skegness	1·7	− 1·3	18	•	•	•	•	•	•
p Cromer	196	54	10th	29	16th	47·0	38·6	42·8	+ 4·0	4	0·21	5	− 4	Cromer	2·6	− 0·2	27	•	•	•	•	•	•
a Little Massingham	280	54	11th	29	16th	46·4	39·6	43·0	+ 4·6	4	0·27	7	− 6	Lit. Massingham	2·1	− 0·3	22	•	•	•	•	•	•
a Yarmouth	13	56	10-12	33	16th	47·6	40·4	44·0	+ 5·6	3	0·28	7	− 4	Yarmouth	1·8	—	19	0	31	44·4	+5·4	44·7	+2·4
a Norwich	93	55	10th	31	16th	47·0	41·9	44·5	+ 5·8	3	0·34	9	− 3	Norwich	2·1	—	22	2	25	43·4	•	•	•
a Geldeston	37	57	10, 12	29	16th	48·6	39·7	44·2	+ 5·1	3	0·19	5	− 5	Geldeston	2·1	− 0·5	22	•	•	•	•	•	•
p Cambridge	41	56	10, 11	32	16th	49·3	42·0	45·7	+ 6·7	2	0·16	4	− 5	Cambridge	2·0	− 0·6	21	1	25	44·8	+5·8	43·9	+2·0
a Clacton-on-Sea	54	53	10, 11	34	16th	47·1	41·9	44·5	+ 5·9	2	0·16	4	− 5	Clacton ..	2·9	0·0	30	1	30	44·3	+4·0	44·1	+0·8
a Rothamsted	424	54	10th	31	16th	46·7	41·1	43·9	+ 5·5	2	0·09	2	− 11	Rothamsted	1·3	− 1·2	13	1	27	43·8	•	•	•
p Tottenham	51	57	10th	32	16th	50·0	43·0	46·5	+ 7·1	2	0·07	2	—	Tottenham	1·0	—	10	•	•	•	•	44·4	+1·3
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	49	10, 12	33	16th	44·9	39·7	42·3	+ 4·6	4	0·49	12	− 2	Harrogate	0·4	− 2·2	4	0	33	42·2	+4·1	42·0	+2·4
p Sheffield	429	53	10th	32	16th	47·4	40·4	43·9	—	3	0·28	7	—	Sheffield..	0·7	− 1·6	7	0	33	42·9	+5·1	42 0	+1·4
p Buxton	987	49	10th	32	16th	44·3	39·3	41·8	+ 6·0	5	1·48	38	+ 13	Buxton ..	0·3	—	3	0	32	42·0	+4·9	41·0	+0·2
b, East .. a Bawtry	65	54	10, 12	32	16th	47·7	41·6	44·7	+ 5·6	4	0·21	5	− 4	Worksop	1·3	− 0·8	14	1	28	43·7	•	43·0	•
a Nottingham	82	53	10, 11	32	16th	47·7	42·6	45·2	+ 6·3	4	0·28	7	− 3	Nottingham	0·7	− 1·5	7	1	26	43·8	+6·2	42·1	+3·0
p Birmingham, Edgbsn.	535	53	11th	32	16th	48·0	42·0	45·0	+ 6·1	2	0·06	1	− 10	Birmingham	0·8	− 1·0	8	1	25	44·5	+4·6	44·6	+1·2
a Raunds	203	57	11th	37	15th	48·7	42 0	45·4	+ 7·1	1	0·11	3	− 7	Raunds ..	1·3	—	14	1	21	43·6	•	43·5	•
p Oxford	208	55	10th	32	16th	49·1	42·9	46·0	+ 6·3	1	0·06	2	− 9	Oxford ..	1·2	− 1·3	13	1	25	•	•	•	•
c, West .. a Cheadle (N. Staffs.)	646	50	10, 11	33	16th	46·3	40·4	43·4	+ 5·8	4	0·48	12	− 2	Cheadle ..	•	•	•	0	32	•	•	•	•
p Shrewsbury	191	55	11th	34	16th	50·3	43·6	47·0	+ 7·1	2	0·11	3	− 6	Shrewsbury	•	•	•	0	36	•	•	•	•
a Hereford§	291	58	11th	36	16th	50·1	44·4	47·3	+ 7·9	1	0 03	1	− 12	Malvern§	1·0	—	10	0	35	44·7	•	43·7	•
a Clifton	229	55	10th	38	16th	49·0	44·4	46·7	+ 6·2	3	0·52	13	− 6	Clifton ..	1·2	—	12	0	38	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	10th	34	16th	49·9	42·3	44·6	+ 6·0	2	0·18	5	− 12	Worthing	1·7	− 1·5	17	1	28	45·2	+4·4	44·6	+1·0
p Salisbury (Wilton)	180	56	10th	27	16th	49·5	41·1	45·3	+ 6 1	2	0·10	3	− 16	Marlborough	1·2	− 1·0	12	1	29	45·3	•	44·7	•
a Wisley, Surrey	150	55	10th	32	16th	48·4	42·4	45·4	+ 5·9	1	0·03	1	− 11	Salisbury	•	•	•	1	28	45·7	•	•	•
a Tunbridge Wells	354	52	10th	29	16th	46·7	41·1	43·9	+ 4·8	1	0·06	2	− 14	Wisley ..	1·3	− 1·1	13	1	21	44·9	+5·4	44·1	+2·0
a Margate	51	56	10th	30	16th	49·0	42·0	45·5	+ 5·3	2	0·20	5	− 5	Tunbridge Wells	1·2	− 1·5	12	1	23	44·9	+7·5	44·4	•
a Dungeness	21	50	10, 13	31	16th	45·9	41·4	43·7	+ 3·7	2	0·09	2	− 9	Margate ..	2·8	+ 0·1	29	1	26	45·1	+4·3	44·7	+2·0
p St. Leonards	178	51	13th	32	16th	47·0	40·9	44·0	+ 3·6	3	0·12	3	− 11	Folkestone	2·3	—	24	•	•	•	•	44·7	•
p Southampton	64	54	10th	33	16th	48·9	43·0	46·0	+ 4·6	1	0·11	3	− 13	St. Leonards	1·8	− 1·3	19	1	28	44·4	•	43·2	•
a Ventnor	59	51	13, 14	35	16th	47·9	43·0	45·5	+ 3·3	3	0 11	3	− 11	Southampton	1·6	− 1·2	16	1	28	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	56	10th	31	16th	49·8	42·4	46·1	+ 5·9	1	0·03	1	− 10	Ventnor	1·8	− 1·4	19	•	•	•	•	•	•
a Westminster	27	57	10th	34	16th	50·1	44·1	47·1	+ 6·3	1	0·03	1	− 9	Richmond	1·4	− 0·8	14	2	27	45·1	+5·7	43·9	+1·1
ag Greenwich	149	57	10th	30	16th	49·6	42·9	46·3	+ 6·9	2	0·05	1	− 8	Westminster	1·5	0·0	15	1	30	•	•	•	•
a Hampstead	450	55	10th	30	16th	47·9	40·0	44·0	—	2	0·08	2	—	Greenwich	1·8	− 0·3	18	2	23	•	•	•	•
ag Camden Square	110	57	10th	32	16th	49·9	43·4	46·7	+ 6·6	1	0·05	1	− 10	Hampstead	1·3	—	13	2	33	•	•	•	•
														Camden Square	0·9	− 0·9	9	1	27	•	•	•	•
7. a, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	49	13th	37	16th	46·6	39·7	43·2	+ 4·6	4	1·19	30	+ 11	Aspatria	0·8	− 1·8	9	0	31	42·5	+2·9	43·0	+0·5
p Newton Rigg	559	49	11th	36	14, 16	46·3	39·4	42·9	+ 5·8	4	1·07	27	+ 7	Newton Rigg	0·5	− 1·9	5	1	28	41·9	+3·8	41·2	+1·4
p Stonyhurst	375	50	10, 12, 13	32	16th	46·7	40·4	43·6	+ 5·1	3	1·78	45	+ 24	Stonyhurst	0·0	− 2·3	0	1	29	•	•	•	•
p Blackpool	66	51	12, 13	38	14th	47·6	42·1	44·9	+ 5·6	5	0·83	21	+ 7	Blackpool	0·6	− 2·2	6	1	28	44·3	•	44·3	•
a Southport	37	51	10, 12	37	14th	47·1	41·9	44·5	+ 4·9	4	0·65	17	+ 4	Southport	0·1	− 2·6	1	0	31	43·2	+5·3	42·8	+3·0
a Liverpool (Bidston)	188	52	10, 12	39	16th	47·7	43·1	45·4	+ 5·5	4	0·51	13	+ 2	Hoylake	0·3	− 2·3	3	•	•	•	•	•	•
a Hawarden Bridge	22	54	12th	39	16th	49·3	44·7	47 0	+ 6·3	4	0·17	4	− 5	Liverpool	0·1	—	1	0	35	•	•	•	•
p Manchester (Whit. Pk.)	125	52	10th	35	16th	48·6	41·9	45·3	+ 5·1	3	0·71	18	+ 6	Manchester (City)	0·0	− 1·5	0	0	37	44·4	+6·1	44·1	+2·2
														Whitworth Park	0·2	− 1·4	2	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	54	10th	39	14th	50·7	43·9	47·3	+ 5·6	5	0·49	13	0	Llandudno	0·8	− 1·9	8	•	•	•	•	•	•
a Holyhead	15	50	10, 11	40	14, 15	48·1	43·6	45·9	+ 4·4	4	0·36	9	− 6	Holyhead	0·4	—	4	0	31	•	•	•	•
a Beddgelert	309	52	16th	36	16th	50·0	41·7	45·9	—	5	4·49	114	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth emperature at 8 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	min.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a, SOUTH WALES																						
a Aberystwyth	59	51	12th	38	14th	48·6	43·4	46·0	—	3	0·24	6	—	Aberystwyth	0·4	− 2·2	4	•	•	•	•	•	•
a Rhayader	757	51	10th	38	16th	46·4	43·1	44·8	—	4	0·59	15	—	Rhayader	0·6	—	6	0	35	•	•	•	•
a St. Ann's Head	149	52	12th	44	14–16	48·0	45·7	46·9	+ 4·5	4	0·15	4	− 14	St, Ann's Head	0·8	+ 2·0	8	•	•	•	•	•	•
p Cardiff	202	54	10th	33	16th	49·4	43·8	46·4	+ 6·2	4	0·45	11	− 9	Cardiff	1·2	—	12	0	37	45·8	+5·8	44·8	+2·1
b, ENGLAND, S.W.																						
a Bath	66	59	10th	36	16th	50·7	44·4	47·6	+ 7·1	2	0·23	6	− 8	Bath	•	•	•	•	•	46·5	+6·8	45·5	+2·6
a Shaftesbury	722	—	—	32	16th	—	40·4	—	—	1	0·08	2	− 14	Shaftesbury	•	•	•	•	•	45 1	•	44·1	•
a Arlington	613	53	10th	40	15, 16	47·1	43·3	45·2	+ 5·4	4	0·75	19	− 7										
a Hartland Quay	100	52	12th	43	15th	49·4	46·4	47·9	—	2	0·13	3	—										
a Newquay	190	55	10, 11	41	15th	51·3	45·7	48·5	+ 5·0	1	0·03	1	− 16	Newquay	1·0	− 1·9	10	0	35	48·5	•	47·7	•
a Cullompton	202	59	10th	41	14, 16	50·3	44·4	47·4	+ 6·6	2	0·15	4	− 15	Cullompton	0·8	− 1·7	8	0	32	46·8	•	•	•
a Portland Bill	19	50	10th	40	16th	47·3	44·1	45·7	+ 3·4	1	0·12	3	− 10	Weymouth	0·9	—	9	•	•	•	•	•	•
p Plymouth	116	54	10th	39	16th	49·9	45·9	47·9	+ 5·3	2	0·11	3	− 16	Plymouth	1·1	− 1·8	11	0	39	47·7	+5·4	47·2	•
a Falmouth	167	54	10th	44	15th	50·1	46·3	48·2	+ 4·6	3	0·18	5	− 20	Falmouth	0·7	− 2·4	7	0	41	48·6	•	48·2	•
9. IRELAND, N.																						
a, West — a Malin Head	208	51	12th	38	10, 11	48·3	41·6	45·0	+ 4·4	5	0·72	18	+ 4	Malin Head	0·6	—	6	•	•	•	•	•	•
a, West — a Blacksod Point	327	50	11th	40	10th	48·3	42·9	45·6	+ 3·5	6	2·01	51	+ 28	Markree Castle	0·0	− 2·4	0	0	35	44·9	+4·0	45·0	+1·6
a, West — p Markree Castle	122	52	10, 12	32	16th	50·7	42·1	46·4	+ 6·4	6	1·07	27	+ 7										
b, East — p Armagh	196	51	10, 12	37	16th	49·7	42·9	46·3	+ 6·5	5	1·04	26	+ 13	Armagh	0·1	− 2·3	1	0	38	44·5	+4·3	44·4	+1·8
b, East — a Donaghadee	101	50	10th	39	10th	47·9	42·4	45·2	+ 4·6	5	0·87	22	+ 9										
10. IRELAND, S.																						
p Dublin, City	47	55	10, 12	43	16th	52·6	45·7	49·2	+ 7·1	4	0·54	14	+ 2	Dublin City	•	•	•	0	39	•	•	•	•
a Birr Castle	175	54	10–12	41	15th	51·1	43·4	47·3	+ 6·9	5	0·83	21	+ 6	Trinity Coll.	•	•	•	0	37	46·5	+5·2	46·1	+2·6
a Kilkenny	212	57	11th	42	10th	51·3	44·9	48·1	+ 7·3	5	0·57	15	− 1	Phœnix Park	0·4	− 2·3	4	0	35	•	•	•	•
a Waterford	20	53	10, 11	45	10th	50·9	46·4	48·7	+ 6·6	4	0·83	21	+ 1	Birr Castle	0·2	− 2·3	2	0	33	•	•	•	•
p Seskin, Carrick-on-Suir	541	56	11th	40	16th	49·9	44·4	47·2	—	5	0·88	22	—	Seskin	0·7	—	7	0	38	•	•	•	•
a Cahir	198	53	10, 12	40	13th	50·4	44·6	47·5	+ 6·5	6	0·69	18	—										
a Foynes	50	57	11th	42	10th	53·9	45·1	49·5	+ 7·3	4	0·56	14	− 6										
a Cahirciveen (Val. Obs.)	30	54	10th	43	14th	51·6	46·9	49·3	+ 5·3	6	1·03	26	− 7	Cahirciveen	0·6	− 2·0	6	0	39	•	•	•	•
a Killarney	174	56	10th	42	14th	52·1	46·6	49·4	+ 6·7	6	0·97	25	− 8	Ballinacurra	0·4	− 2·4	4	•	•	•	•	•	•
a Roche's Point	32	53	13th	43	14, 15	50·6	46·3	48·5	+ 5·2	5	0·83	21	− 2										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's	131	53	14th	47	15th	51·1	48·0	49·6	+ 4·2	5	0·45	12	− 6	Scilly	1·3	− 1·9	13	•	•	•	•	•	•
a Jersey, St. Aubins	25	54	10th	35	16th	48·9	42·3	45·6	+ 2·4	2	0·08	2	− 16	St. Heliers	3·1	− 0·4	31	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	10th	36	16th	48·3	44·1	46·2	+ 2·5	2	0·09	2	− 17	Guernsey†	2·6	− 0·6	26	9	33	47·0	+3·8	46·5	+1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 16th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	—	—	11, 12, 15	26	128	8	6	0	169	15	15	19	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	31	103	34	0	—	10	16	5	22	16	1	45
Aberdeen	153	105	52	—	—	15, 16	6	55	86	21	0	169	12	16	3	22	16	2	35
Edinburgh	485	39	31	—	—	10, 15, 16	23	71	66	8	0	169	15	16	13	23	16	0	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	10, 15	9	78	51	30	0	225	16	10	21	24	10	20	55
Paisley	188	81	52	—	—	15	2	54	72	40	0	203	11	15	23	26	10	5	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	44	67	57	0	225	10	10	21	19	10	21	35
South Shields	72	61	12	—	—	—	—	23	68	77	0	293	11	10	11	18	10	9	15
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.)	73	60	—	—	—	—	—	94	74	0	0	146	11	16	21	—	—	—	—
Gorleston	52	42	‡	—	—	16	10	84	70	4	0	169	12	16	10	16	16	10	25
Shoeburyness	103	90	‡	—	—	10	1	101	65	1	0	225	11	10	19	17	10	21	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	10	2	72	88	6	0	247	11	10	13	19	10	13	35
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	10	1	62	103	0	0	—	13	10	11	23	10	11	20
Brighton	281	53	6	—	—	—	—	97	70	1	0	—	10	10	12	17	10	12	0
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	10, 11	37	93	38	0	0	247	15	10	23	21	10	22	50
Richmond (Kew Obs.)	82	65	22	—	—	—	—	42	120	6	0	225	9	10	9	17	10	13	25
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	34	84	50	0	214	9	10	21	20	10	21	35
Fleetwood (Cup Anr.)	109	44	—	—	—	10, 11, 16	22	69	74	3	0	214	13	10	22	—	—	—	—
Southport	80	62	48	—	—	10, 11, 16	22	86	80	0	0	225	16	10	24	25	10	21	35
Holyhead	60	40	‡	—	—	10, 11, 13, 16	36	90	24	5	13	180	15	16	10	23	16	10	25
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	—	10 to 12, 16	46	78	35	9	0	225	16	10	15	20	10	14	50
Plymouth	185	88	2	—	—	—	—	66	82	20	0	—	10	16	7	14	16	7	0
Lyme Regis	556	61	‡	—	—	11, 16	3	105	26	6	28	—	12	16	7	15	16	6	20
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	—	10, 12, 13	17	70	67	14	0	225	14	10	2	—	—	—	—
Quilty	100	40	‡‡‡	—	—	10 to 14, 16	33	95	36	4	0	—	17	10	18	25	10	17	10
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	10 to 12, 15, 16	32	92	38	5	1	225	14	11	1	21	11	0	35
Weaver Pt.	160	30	‡‡	—	—	10 to 12, 15, 16	34	77	34	23	0	—	14	11	1	21	11	0	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	16	4	98	53	13	0	180	11	16	11	17	16	10	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTH WEEK of 1918—February 10th to February 16th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	32	80·4	75·9	78·2	+ 1·9	10	+ 2	19	− 19	5	0	0·92	23	− 8	1·4	−0·7	16	1014
Eastern.																			
1. SCOTLAND, EAST ...	52	28	80·0	75·7	77·9	+ 1·8	7	− 2	20	− 24	4	0	0·60	15	+ 1	1·0	−1·7	11	1017
2. ENGLAND, N.E.	53	31	81·1	77·7	79·4	+ 2·6	17	+ 6	4	− 29	4	0	0·29	7	− 2	1·1	−1·6	11	1022
3. ENGLAND, EAST ...	57	29	81·7	77·9	79·8	+ 3·1	21	+ 8	3	− 33	3	− 1	0·20	5	− 6	2·0	−0·7	21	1025
4. MIDLAND COUNTIES ...	58	32	82·0	78·8	80·4	+ 3·6	23	+ 9	0	− 37	3	− 1	0·24	6	− 6	0·9	−1·5	10	1024
5. ENGLAND, S.E.	56	27	81·9	78·6	80·2	+ 2·6	21	+ 6	0	− 28	2	− 2	0·10	3	− 11	1·7	−1·0	18	1025
Western.																			
6. SCOTLAND, WEST ...	52	36	81·3	78·0	79·6	+ 2·5	18	+ 7	3	− 28	5	0	1·77	45	+ 18	0·5	−1·7	5	1018
7. ENGLAND, N.W.	54	32	81·8	78·6	80·2	+ 2·9	21	+ 9	0	− 28	4	0	0·78	20	+ 5	0·5	−2·0	5	1020
8. ENGLAND, S.W.	59	32	82·3	79·9	81·2	+ 3·0	33	+ 15	0	− 23	3	− 1	0·28	7	− 13	0·8	−1·9	8	1024
9. IRELAND, NORTH ...	54	32	82·6	78·9	80·8	+ 3·1	28	+ 12	0	− 25	5	0	1·09	28	+ 11	0·1	−2·3	1	1015
10. IRELAND, SOUTH ...	57	40	83·9	80·5	82·2	+ 3·6	46	+ 24	0	− 19	5	+ 1	0·76	19	− 2	0·4	−2·2	4	1019
11. ENGLISH CHANNEL ...	54	35	82·7	80·1	81·4	+ 1·6	36	+ 11	0	− 9	3	− 2	0·21	5	− 14	2·3	−1·0	24	1026

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, December 2nd, 1917 to February 16th, 1918

0. SCOTLAND, NORTH ...	58	5	78·8	73·6	76·3	− 0·2	90	+ 9	422	+ 52	63	+ 5	12·78	324	− 43	0·7	−0·2	10	1012
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	78·4	72·8	75·7	− 0·3	69	− 10	479	+ 36	45	0	5·87	148	− 24	1·4	−0·1	19	1014
2. ENGLAND, N.E.	56	9	79·1	73·9	76·6	− 0·1	92	− 6	374	+ 16	41	− 1	4·76	120	− 1	1·6	0·0	20	1017
3. ENGLAND, EAST ...	57	14	79·2	73·6	76·5	− 0·2	105	− 4	403	+ 21	43	− 2	4·14	105	− 19	1·9	+0·2	23	1019
4. MIDLAND COUNTIES ...	58	12	79·4	73·9	76·8	+ 0·1	122	+ 2	388	− 11	37	− 8	4·61	118	− 29	1·4	−0·1	17	1019
5. ENGLAND, S.E.	56	11	79·6	74·5	77·1	− 0·5	127	− 28	357	+ 64	38	− 5	5·80	147	− 16	2·0	+0·2	24	1020
Western.																			
6. SCOTLAND, WEST ...	52	5	79·4	74·5	77·1	− 0·2	101	− 16	323	+ 30	55	+ 2	11·57	295	− 16	1·2	−0·1	16	1016
7. ENGLAND, N.W.	58	12	80·1	75·3	77·8	+ 0·4	145	+ 22	261	− 26	43	− 4	6·80	172	− 31	1·4	0·0	17	1017
8. ENGLAND, S.W.	59	13	80·2	75·6	78·1	− 0·3	173	− 20	271	+ 53	39	−10	7·50	190	− 68	1·9	+0·2	23	1019
9. IRELAND, NORTH ...	57	18	80·5	75·8	78·2	+ 0·3	172	+ 20	244	− 7	57	+ 1	8·13	207	− 22	1·1	−0·4	14	1015
10. IRELAND, SOUTH ...	57	19	81·2	76·4	78·8	0·0	239	+ 8	215	+ 21	52	− 1	9·74	248	− 12	1·3	−0·4	16	1017
11. ENGLISH CHANNEL ...	56	26	81·5	77·7	79·7	− 0·5	255	− 49	107	+ 29	41	−14	4·87	123	− 96	2·4	+0·2	28	1020

THE YEAR 1918.—Aggregates, &c., for the Period of 7 Weeks, December 30th, 1917, to February 16th, 1918.

0. SCOTLAND, NORTH ...	58	5	78·9	73·8	76·4	+0·1	80	+ 34	276	+ 24	40	+ 4	8·72	221	− 6	0·8	−0·3	11	1008
Eastern.																			
1. SCOTLAND, EAST ...	56	−3	78·7	73·1	76·0	+ 0·1	68	+ 20	298	+ 4	30	+ 2	4·17	105	+ 4	1·4	−0·3	18	1010
2. ENGLAND, N.E.	56	9	79·7	74·6	77·2	+ 0·7	87	+ 27	209	− 32	29	+ 3	3·27	82	+ 13	1·5	−0·3	19	1014
3. ENGLAND, EAST ...	57	14	80·0	74·5	77·3	+ 0·9	94	+ 30	204	− 55	29	+ 1	3·10	79	+ 7	1·8	−0·2	21	1017
4. MIDLAND COUNTIES ...	58	12	80·4	75·1	77·8	+ 1·3	113	+ 41	187	− 79	27	− 1	3·73	95	+ 10	1·4	−0·3	16	1016
5. ENGLAND, S.E.	56	15	80·4	75·5	78·1	+ 0·8	112	+ 26	174	− 30	26	− 1	4·15	105	+ 14	1·9	0·0	22	1018
Western.																			
6. SCOTLAND, WEST ...	52	5	79·8	75·1	77·5	+ 0·4	89	+ 22	181	− 20	36	+ 2	8·26	210	+ 28	1·2	−0·3	15	1012
7. ENGLAND, N.W.	58	12	80·8	76·1	78·5	+ 1·3	133	+ 63	131	− 64	30	+ 1	5·12	130	+ 12	1·4	−0·2	17	1014
8. ENGLAND, S.W.	59	16	81·0	76·8	79·0	+ 0·9	154	+ 44	126	− 30	29	− 1	6·25	159	+ 17	1·7	−0·2	20	1016
9. IRELAND, NORTH ...	57	18	80·9	76·5	78·7	+ 0·9	143	+ 49	131	− 38	37	+ 2	5·90	150	+ 14	1·0	−0·6	13	1010
10. IRELAND, SOUTH ...	57	19	81·8	77·4	79·6	+ 1·0	196	+ 56	107	− 25	35	+ 2	7·33	187	+ 35	1·2	−0·7	14	1012
11. ENGLISH CHANNEL ...	56	26	82·0	78·3	80·2	+ 0·4	197	+ 28	58	− 3	29	− 5	3·03	77	− 43	2·6	+0·2	29	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : February 21st, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

EXAMINED BY - 29
AUTHORITY FOR ISSUE
ISSUED ON - - -
HRS
1.3.18

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 8.

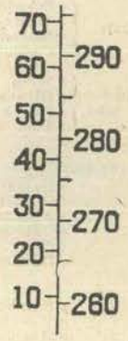
THE EIGHTH WEEK OF 1918.
SUNDAY, FEBRUARY 17TH, TO SATURDAY, FEBRUARY 23RD, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the period barometric pressure was low off our western coasts, while an anticyclone was shown over Scandinavia. As the week progressed the "high" became established over France and the Bay of Biscay, and depressions passed from west to east beyond Scotland, with secondaries more directly over our Islands. Under the influence of the Norwegian anticyclone the weather in England generally was very fine and cold, but with a good deal of morning fog. The latter half of the week was mild; the rainfall was only about half of the normal. On the other hand, in Scotland, Ireland and north-western England, the weather was mostly under the influence of the depressions, and rain, accompanied in many cases by snow, sleet and hail, fell nearly every day. At Fort William the total fall for the week was 142mm., and at Ford, Argyll, 128mm. Sharp frost prevailed over England on the first three nights, the lowest readings being 265 a. in the screen at Raunds (Northants) and Marlborough, and 260 a. on the grass also at Raunds and at Wisley (Surrey). The maxima occurred invariably on the 22nd or 23rd, the highest being 289 a. at Geldeston (Beccles) and Aberdeen.

Solar halos were observed at Aberdeen on the 20th, and, with bright parhelia, on the 21st, at Oxford on the 19th and 21st, and in London on the 22nd. Lunar halos were frequently seen in different parts of Britain between the 17th and 21st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	7·4	24	4·6	21	2·7	17	2·6	24	5·0	13	4·7	23	5·7	21	5·4
North	2	3·7	1	2·3	2	1·2	0	—	2	2·4	11	3·8	1	2·8	4	4·2
West	15	8·6	22	7·5	16	5·2	14	4·5	23	6·0	23	6·2	20	7·9	17	6·3
East	10	4·1	0	—	11	2·6	5	0·7	0	—	0	—	3	1·4	6	1·6
Calm	0	—	0	—	1	—	9	—	2	—	0	—	1	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate
	Rainfall ...	Very heavy	Heavy	Moderate	Light	Light	Light	Very heavy	Heavy	Light	Heavy	Heavy	Light
	Sunshine ...	Scanty	Moderate	Moderate	Abundant	Moderate	Abundant	Very scanty	Scanty	Scanty	Very scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 12 weeks from Dec. 2nd, 1917.	Warmth ...	3, 5, 4	3, 6, 3	4, 4, 4	3, 4, 5	3, 4, 5	2, 4, 6	5, 2, 5	5, 4, 3	5, 0, 7	5, 4, 3	5, 1, 6	4, 2, 6
	Rainfall ...	1, 8, 3	5, 2, 5	4, 4, 4	1, 6, 5	2, 4, 6	1, 6, 5	4, 5, 3	3, 5, 4	2, 2, 8	5, 4, 3	5, 3, 4	1, 3, 8
	Sunshine ...	2, 4, 6	5, 5, 2	3, 7, 2	3, 7, 2	4, 4, 4	4, 5, 3	3, 6, 3	3, 6, 3	5, 3, 4	2, 4, 6	2, 4, 6	1, 9, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(16222—19.) Wt. 153—442. 450. 2/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F		°F.		°F	°F.	°F	°F.		in. mm.	mm.		hr.	hr.	°/o		°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	48	22, 23	35	21, 22	44·3	37·1	40·7	+ 2·6	7	2·32	59 + 42											
p Deerness ..	160	51	23rd	34	21st	44·9	37·4	41·2	—	7	1·61	41 + 25	Deerness ..	2·6	+ 0·3	27	•	•	•	•	•	•
a Stornoway ..	51	53	23rd	29	18th	47·6	34·4	41·0	+ 1·9	7	1·93	49 + 26	Stornoway ..	1·5	- 1·0	16	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	52	22nd	36	21st	48·1	40·3	44·2	+ 3·1	7	1·10	28 —	Castlebay ..	0·5	—	5	•	•	•	•	•	•
b, Main- *a* Wick ..	81	55	23rd	32	21, 22	46·4	36·0	41·2	+ 3·2	7	0·67	17 + 5											
land. *p* Glencarron ..	500	51	23rd	30	17, 22	45·4	34·4	39·9	+ 2·7	6	3·18	81 + 40	Fort Augustus..	0·5	- 1·4	5	•	•	•	•	•	•
p Fort Augustus..	68	54	22nd	28	17th	47·3	36·7	42·0	+ 4·0	6	3·41	87 + 66											
p Fort William ..	171	54	22nd	29	17th	46·3	37·0	41·7	+ 2·6	7	5·59	142 +104											
1. SCOTLAND, E.																							
a Nairn ..	82	55	23rd	29	17, 18	47·1	33·6	40·4	+ 2·6	5	0·69	17 + 6	Nairn ..	2·8	—	29	•	•	•	•	•	•
p Gordon Castle ..	101	59	23rd	32	21st	49·0	37·4	43·2	+ 4·4	5	0·55	14 + 2	Gordon Castle..	4·3	—	44	•	•	•	•	•	•
a Aberdeen ..	46	61	23rd	34	22nd	48·4	37·6	43·0	+ 4·5	2	0·13	3 - 10	Aberdeen ..	3·3	+ 0·4	34	2	30	•	•	40·6	+1·2
a Balmoral ..	930	53	23rd	29	20, 21	43·9	34·6	39·3	+ 4·7	4	0·62	16 0	Balmoral ..	•	•	•	3	26	•	•	•	•
p Crieff ..	432	57	23rd	27	21st	45·4	34·3	39·9	+ 1·6	7	1·33	34 + 14	Crathes ..	3·3	+ 0·4	34	4	25	38·7	+2·4	39·1	+1·3
a Dundee ..	244	57	22nd	31	21st	47·3	35·4	41·4	+ 3·6	6	0·97	25 + 14	Dundee ..	2·6	—	27	4	26	40·3	•	•	•
a Leith ..	30	55	22nd	33	21st	48·3	38·1	43·2	+ 3·5	6	1·22	31 + 22	Leith ..	•	•	•	1	29	•	•	•	•
p Edinburgh ..	441	54	22nd	32	21st	47·9	38·9	43·4	+ 4·9	6	0·90	23 + 14	Edinburgh ..	1·6	- 1·4	16	1	28	•	•	•	•
a West Linton ..	769	50	22nd	31	21st	43·7	37·1	40·4	+ 4·8	7	1·56	40 —	West Linton ..	0·3	—	3	2	27	•	•	•	•
p Marchmont ..	498	55	22nd	33	19th	46·6	36·5	41·5	+ 4·1	5	0·72	18 + 5	Marchmont ..	1·7	- 0·9	17	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll) ..	149	51	22nd	30	17th	46·2	38·1	42·2	—	7	5·03	128 —	Ford (Argyll) ..	•	•	•	2	22	41·0	•	41·7	—
p Glasgow Observatory	180	53	23rd	34	21st	45·9	39·0	42·5	+ 3·2	7	1·92	49 + 33	Glasgow..	0·5	- 1·2	5	1	28	•	•	•	•
p Rothesay ..	200	51	22nd	32	21st	45·9	37·1	41·5	+ 1·8	7	2·76	70 + 48	Rothesay ..	0·2	—	2	1	29	41·6	•	43·3	+1·4
a Kilmarnock ..	90	52	22, 23	34	21st	46·9	37·0	42·0	+ 3·2	7	2·01	51 + 34	Kilmarnock ..	0·2	—	2	•	•	41·7	•	43·0	•
a Colmonell ..	170	55	23rd	34	21st	47·4	39·0	43·2	+ 4·1	7	1·71	43 + 22	Colmonell ..	•	•	•	0	31	•	•	•	•
p Cally, Gatehouse	120	52	22nd	33	21st	44·9	38·4	41·7	+ 2·6	7	1·95	50 + 27	Dumfries ..	0·4	—	4	5	24	40·9	+1·9	42·0	+1·6
p Dumfries ..	160	54	22, 23	33	21st	46·1	38·1	42·1	+ 3·1	6	0·78	19 + 2	Eskdalemuir ..	0·6	—	6	4	28	•	•	•	•
a Eskdalemuir ..	794	52	22, 23	31	17, 18, 22	44·3	33·6	39·0	—	6	1·65	42 —											
b, I. OF MAN *p* Douglas ..	277	54	22nd	36	21st	47·4	40·7	44·1	+ 3·4	6	1·46	37 + 19	Douglas ..	1·1	- 1·6	11	0	32	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	58	22nd	28	19th	48·1	34·1	41·1	+ 2·6	2	0·15	4 - 6											
a Tynemouth ..	71	56	22nd	30	17, 18	47·1	34·7	40·9	+ 1·8	2	0·24	6 - 1	Cockle Park ..	1·7	- 1·3	17	5	20	38·0	+0·7	40·4	+0·9
p Durham ..	336	57	22nd	26	19th	45·4	35·0	39·2	+ 1·3	3	0·29	7 0	Durham ..	2·8	+ 0·2	28	3	23	•	•	•	•
a North .. *p* Rounton ..	249	56	22nd	27	17, 19	46·1	35·3	40·7	+ 2·8	2	0·46	12 + 4	Rounton ..	•	•	•	4	21	38·7	•	•	•
a West Witton ..	605	51	22nd	24	19th	45·9	31·6	38·8	—	4	0·84	21 —	West Witton ..	•	•	•	5	20	38·6	•	40·6	•
p Scarborough ..	100	58	22, 23	34	17, 18	47·1	39·3	43·2	+ 3·5	2	0·37	9 0	Scarborough† ..	3·9	+ 1·3	39	•	•	•	•	41·0	•
p York ..	56	56	22nd	27	17, 18	45·9	35·7	40·8	+ 1·5	2	0·42	11 + 3	York ..	1·8	- 0·4	18	•	•	39·8	+0·8	42 4	+1·5
b, South .. *a* Spurn Head ..	26	52	22, 23	30	18th	44·3	34·9	39·6	+ 0·4	1	0·08	2 - 4	Spurn Head ..	3·7	—	37	•	•	•	•	•	•
a Lincoln ..	58	57	23rd	24	18th	48·1	33·6	40·9	+ 1·8	2	0·08	2 - 5	Lincoln ..	•	•	•	5	18	38·3	+0·5	42 9	+2·6
a Fulbeck ..	180	58	23rd	24	18th	47·4	32·0	39·7	+ 0·7	4	0·12	3 - 5	Rauceby ..	3·5	+ 0·5	35	•	•	39·0	-1·0	43·5	+1·1
													Skegness ..	4·4	+ 1·3	44	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer ..	196	57	22, 23	25	18th	49·0	32·6	40·8	+ 1·8	3	0·08	2 - 4	Cromer ..	4·9	+ 1·7	49	•	•	•	•	•	•
a Little Massingham	280	57	23rd	22	17th	47·7	30·7	39·2	+ 0·4	2	0·10	3 - 6	Lit. Massingham	4·3	+ 1·5	43	•	•	•	•	•	•
a Yarmouth ..	13	59	23rd	30	20th	46·7	35·1	40 9	+ 2·2	1	0·12	3 - 4	Yarmouth ..	5·1	—	50	4	25	40·1	+0·7	44·7	+2·1
a Norwich ..	93	58	23rd	23	18th	48·0	31·6	39·8	+ 0·7	1	0 07	2 - 6	Norwich ..	4·6	—	46	6	18	37·1	•	•	•
a Geldeston ..	37	60	23rd	20	18th	49·4	30·0	39·7	+ 0·4	1	0·09	2 - 5	Geldeston ..	4·4	+ 1·4	44	•	•	•	•	•	•
p Cambridge ..	41	59	23rd	21	18, 19	48·1	30·7	39·4	+ 0·1	1	0·10	3 - 3	Cambridge ..	3·5	+ 0·5	35	5	18	39·2	-0·5	43·6	+1·5
a Clacton-on-Sea ..	54	59	23rd	31	20th	47·4	35·7	41·6	+ 2·7	1	0·07	2 - 4	Clacton ..	5·4	+ 2·1	53	4	22	39·6	-1·2	43 7	+0·2
a Rothamsted ..	424	56	23rd	21	18th	46·1	31·1	38·6	- 0·1	1	0·13	3 - 6	Rothamsted ..	3·9	+ 1·1	39	5	14	38·2	•	•	•
p Tottenham ..	51	58	23rd	23	18th	46·1	33·7	39·9	0·0	2	0·28	7 —	Tottenham ..	2·1	—	21	4	22	•	•	44·0	+0 8
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate ..	479	52	22, 23	22	17th	45·1	31·6	38·4	+ 0·9	3	0·78	20 + 9	Harrogate ..	2·0	- 0·8	20	3	19	38·6	+0·2	41·3	+1·6
p Sheffield ..	429	56	23rd	25	17th	46·4	34·9	40·7	—	3	0·43	11 —	Sheffield..	2·4	- 0·2	24	3	19	38·9	+0·6	42 2	+1·6
p Buxton ..	987	52	22nd	23	17, 19	43·7	32·3	38·0	+ 1·8	4	0·78	20 0	Buxton ..	1·9	—	19	5	20	37·3	-0·3	41·5	+0·8
b, East .. *a* Bawtry ..	65	56	22, 23	23	17th	48·1	32·4	40·3	+ 1·4	3	0·13	3 - 4	Worksop ..	2·6	+ 0·2	26	5	12	39·5	•	42·4	•
a Nottingham ..	82	58	23rd	22	19th	48·7	30·4	39·6	+ 0·9	2	0·12	3 - 5	Nottingham ..	2·8	+ 0·4	28	5	18	38·1	+0·1	41·4	+2·0
p Birmingham, Edgbsn.	535	57	23rd	25	17th	46·9	34·4	40·7	+ 2·1	2	0·12	3 - 6	Birmingham ..	2·8	+ 0·8	28	4	16	40·0	-0·2	44·5	+1·1
a Raunds ..	203	57	23rd	18	18th	48·7	28 3	38·5	+ 0·2	2	0·07	2 - 6	Raunds ..	3·6	—	36	5	9	39·8	•	44·0	•
p Oxford ..	208	57	23rd	22	18th	47·0	33·4	40·2	+ 0·7	2	0·11	3 - 5	Oxford ..	4·2	+ 1·5	42	4	13	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	56	22, 23	24	17, 18	46·1	30·9	38·5	+ 0·9	3	0·14	4 - 7	Cheadle ..	•	•	•	5	20	•	•	•	•
p Shrewsbury ..	191	58	22nd	27	17th	48·3	35·0	41·7	+ 2 0	3	0·07	2 - 5	Shrewsbury ..	•	•	•	4	23	•	•	•	•
a Hereford§ ..	291	55	22, 23	24	17th	48·4	33·7	41·1	+ 1·8	1	0·05	1 - 9	Malvern§ ..	2·9	—	29	4	16	39·6	•	43·4	•
a Clifton ..	229	53	23rd	29	17-19	47·1	34·7	40·9	+ 0·7	2	0·19	5 - 9	Clifton ..	2·6	—	26	4	25	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough ..	424	56	23rd	18	18th	46·1	29·9	38·0	- 0·5	3	0·26	7 - 5	Worthing ..	4·7	+ 1·1	47	5	18	40·4	-0·8	44·7	+0·9
p Salisbury (Wilton) ..	180	56	23rd	19	18th	47·2	31·1	39·2	+ 0·1	4	0 22	6 - 7	Marlborough ..	2·6	+ 0·1	26	4	10	40·2	•	44·8	•
a Wisley, Surrey ..	150	57	23rd	20	18th	47·6	30·9	39·3	- 0·2	1	0·11	3 - 6	Salisbury ..	•	•	•	4	17	40·7	•	•	•
a Tunbridge Wells ..	354	57	23rd	22	19th	47·3	31·1	39·2	+ 0·1	1	0·07	2 - 10	Wisley ..	4·0	+ 1·3	40	6	9	39 5	-0·6	43·6	+1·3
a Margate ..	51	57	23rd	28	17th	47·4	35·9	41·7	+ 1·6	1	0·04	1 - 6	Tunbridge Wells	4·2	+ 1·2	42	5	15	40·4	+1·4	44·0	•
													Margate ..	4·9	+ 1·9	49	4	20	39·5	-1·7	43·9	+0·9
a Dungeness ..	21	50	23rd	26	20th	44·6	33·3	39·0	- 0·8	1	0·08	2 - 6	Folkestone ..	4·6	—	46	•	•	•	•	44·1	•
p St. Leonards ..	178	52	23rd	29	18th	44·9	35·4	40·2	- 0·1	2	0·12	3 - 7	St. Leonards ..	4·7	+ 1·3	47	4	23	39·1	•	43·7	•
p Southampton ..	64	56	23rd	23	18th	48·1	34 1	41·1	- 0·2	3	0·30	8 - 3	Southampton ..	3·2	+ 0·1	32	4	11	•	•	•	•
a Ventnor ..	59	54	23rd	31	18th	47·4	37·6	42·5	+ 0·5	3	0 15	4 - 6	Ventnor ..	4·4	+ 0·9	44	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	57	23rd	23	18th	47·3	32·9	40·1	0·0	1	0·13	*3 - 5	Richmond ..	3·3	+ 0·8	33	5	14	38·8	-1·3	43·9	+0·9
a Westminster ..	27	59	23rd	—	—	48·6	—	—	—	2	0 14	4 - 4	Westminster ..	3·0	+ 1·3	30	5	25	•	•	•	•
ag Greenwich ..	149	59	23rd	21	18th	48·0	30·9	39·5	- 0·7	2	0·12	3 - 7	Greenwich ..	4·4	+ 2·2	44	5	14	•	•	•	•
a Hampstead ..	450	57	23rd	24	18th	45·1	32 7	38·9	—	3	0·16	4 —	Hampstead ..	2·4	—	24	5	15	•	•	•	•
ag Camden Square ..	110	59	23rd	23	18, 19	47·3	31·3	39·3	- 0·8	3	0·17	4 - 5	Camden Square	1·4	- 0·7	14	5	21	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	52	23rd	35	17, 21	45·3	38·3	41·8	+ 3·3	4	0·79	20 + 3	Aspatria..	1·0	- 1·8	10	0	33	41·2	+0·8	42·9	+0·3
p Newton Rigg ..	559	54	22, 23	32	17th	45·4	37·1	41·3	+ 4·1	4	1 25	32 + 15	Newton Rigg ..	1·3	- 1·4	13	4	28	40·6	+2·0	41·3	+1·4
p Stonyhurst ..	375	51	23rd	30	18th	45·3	37·6	41·5	+ 3·1	3	1·07	27 + 8	Stonyhurst ..	1·1	- 1·4	11	2	26	•	•	•	•
p Blackpool ..	66	51	22, 23	33	17-19	45·9	37·3	41·6	+ 2·4	4	0·95	24 + 12	Blackpool ..	1·3	- 1·8	13	1	30	42·3	•	44·6	•
a Southport ..	37	53	23rd	32	17, 18	46·7	37·1	41·9	+ 2·4	4	0·78	19 + 7	Southport ..	1·4	- 1·6	14	0	31	40·1	+1·5	42·6	+2·4
													Hoylake ..	1·9	- 0 9	19	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	55	22nd	32	17th	48·0	36·9	42 5	+ 2·6	3	0·59	15 + 6	Liverpool ..	1·8	—	18	1	30	•	•	•	•
a Hawarden Bridge ..	22	58	22nd	32	18th	49·6	38·0	43 8	+ 3·1	2	0·47	12 + 4	Manchester(City)	0·8	- 0·9	8	3	28	40·1	+1·3	44·5	+2·6
p Manchester (Whit. Pk.)	126	56	23rd	29	17th	47·1	36·3	41·7	+ 1·6	3	0·81	21 + 10	Whitworth Park	1·3	- 0·4	13	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno ..	16	52	22, 23	39	21st	48·3	41·9	45·1	+ 3 7	5	0·83	21 + 10	Llandudno ..	1·7	- 1·3	17	•	•	•	•	•	•
a Holyhead ..	15	52	23rd	35	21st	47·3	40·4	43·9	+ 2·7	5	1·84	44 +20	Holyhead ..	1·2	—	12	0	35	•	•	•	•
a Beddgelert ..	309	55	22nd	36	17th	49·1	38·9	44·0	+ 3 9	5	4·35	110 —	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES																							
a Aberystwyth	59	54	20th	35	17th	47·6	40·0	43·8	—	5	0·44	11	—	Aberystwyth ..	1·8	– 1·1	18	•	•	•	•	•	•
a Rhayader	757	54	23rd	27	18th	46·4	35·1	40·8	—	4	0·67	17	—	Rhayader ..	2·4	—	24	2	22	•	•	•	•
a St. Ann's Head	149	50	22nd	40	17, 18	47·4	42·0	44·7	+ 3·0	4	0·26	7	– 7	St. Ann's Head	1·7	– 1·5	17	•	•	•	•	•	•
p Cardiff	202	51	23rd	28	17th	46·4	36·3	41·4	+ 1·5	4	0·39	10	– 6	Cardiff	2·0	—	20	4	24	42·3	+1·7	45·1	+2·3
b. ENGLAND S.W.																							
a Bath	66	57	23rd	23	18th	49·4	32·4	40·9	+ 0·7	2	0·14	4	– 7	Bath	•	•	•	•	•	42·5	+2·1	45·7	+2·6
a Shaftesbury	722	—	—	27	18th	—	32·9	—	—	2	0·15	4	– 8	Shaftesbury ..	•	•	•	•	•	40·6	•	43·9	•
a Arlington	613	49	20, 23	32	17, 18	45·6	37·0	41·3	+ 1·9	4	0·65	17	– 3										
a Hartland Quay ..	100	50	20, 22	36	17, 18	47·8	41·1	44·4	—	4	0·32	8	—										
a Newquay	190	51	20, 22, 23	35	18th	48·4	41·0	44·7	+ 1·8	4	0·26	7	– 6	Newquay ..	1·2	– 2·1	12	1	29	46·3	•	47·8	•
a Cullompton	202	55	23rd	35	17, 18	49·4	33·3	41·4	+ 0·9	4	0·24	6	– 8	Cullompton ..	1·9	– 1·0	19	4	17	42·8	•	•	•
a Portland Bill	12	50	22, 23	33	19th	46·9	39·3	43·1	+ 1·9	1	0·04	1	– 9	Weymouth ..	3·7	—	36	•	•	•	•	•	•
p Plymouth	116	57	23rd	32	18th	49·9	40·0	45·0	+ 2·8	4	0·38	10	– 5	Plymouth ..	2·6	– 0·6	25	2	28	43·8	+1·1	47·2	•
a Falmouth	167	54	22nd	38	18th	49·9	40·6	45·3	+ 2·3	4	0·41	11	– 8	Falmouth ..	2·5	– 1·0	24	1	29	47·3	•	48·4	•
9. IRELAND, N.																							
a. West .. { *a* Malin Head	208	52	23rd	33	18, 21	47·1	37·9	42·5	+ 1·2	6	0·98	25	+ 11	Malin Head ..	0·6	—	6	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	51	22nd	34	21st	47·6	38·4	43·0	+ 0·8	6	1·33	34	+ 10	Markree Castle	1·0	– 1·5	10	4	19	43·3	+1·8	45·1	+1·6
{ *p* Markree Castle ..	122	54	23rd	25	17th	48·7	37·0	42·9	+ 2·2	7	1·89	48	+ 28										
b. East .. { *p* Armagh	196	55	22nd	30	17th	47·9	39·4	43·7	+ 3·1	6	0·98	25	+ 12	Armagh	1·0	– 1·5	10	1	23	43·5	+2·8	44·8	+2·1
{ *a* Donaghadee	101	56	23rd	34	21st	48·6	39·6	44·1	+ 2·8	6	0·56	14	+ 1										
10. IRELAND, S.																							
p Dublin, City	47	55	22nd	36	21st	49·4	42·6	46·0	+ 3·7	5	0·69	18	+ 6	Dublin City ..	•	•	•	0	33	•	•	•	•
a Birr Castle	175	54	22nd	28	17th	49·1	35·9	42·5	+ 1·9	6	1·38	35	+ 21	Trinity Coll. ..	•	•	•	1	30	45·3	+3·5	46·3	+2·6
a Kilkenny	212	54	22nd	33	21st	49·6	39·3	44·5	+ 3·4	6	1·00	25	+ 10	Phœnix Park ..	0·5	– 2·6	5	1	28	•	•	•	•
a Waterford	20	58	23rd	37	21st	51·9	41·1	46·5	+ 4·2	5	1·09	28	+ 9	Birr Castle ..	0·9	– 1·9	9	3	21	•	•	•	•
p Seskin, Carrick-on-Suir	541	53	22, 23	35	19, 21	49·0	40·1	44·6	—	6	1·66	42	—	Seskin	1·9	—	19	2	28	•	•	•	•
a Cahir	199	55	22nd	33	21st	49·9	38·4	44·2	+ 2·9	6	1·13	29	—										
a Foynes	50	55	22nd	31	17th	49·9	38·4	44·2	+ 1·8	7	1·05	27	+ 8										
a Cahirciveen (Val. Obs.)	30	53	22, 23	30	1st	50·7	37·3	44·0	– 0·1	5	1·78	45	+ 14	Cahirciveen ..	0·7	– 2·2	7	2	28	•	•	•	•
a Killarney	174	55	22nd	29	17th	50·8	37·7	44·3	+ 1·4	6	2·11	54	+ 23	Ballinacurra ..	2·6	– 0·7	26	•	•	•	•	•	•
a Roche's Point	32	54	22nd	36	18th	49·9	38·9	44·4	+ 1·0	6	1·04	26	+ 5										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	22nd	43	20th	49·9	44·9	47·4	+ 2·3	5	0·28	7	– 7	Scilly	1·1	– 2·3	11	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	51	21st	27	18th	47·3	35·3	41·3	– 1·9	1	0·04	1	– 12	St. Heliers ..	4·8	+ 1·2	47	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	23rd	30	18, 19	49·0	37·9	43·5	– 0·2	2	0·09	2	– 12	Guernsey† ..	5·0	+ 1·6	49	4	22	43·5	–0·1	46·8	+1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 23rd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time		Highest Gust. Speed.	Date.		
	Ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	22	3	16 to 19, 21, 22	82	60	23	0	0	259	20	22	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	38	107	23	0	247	10	22	15	23	22	14	30
Aberdeen	153	105	52	—	—	22, 23	6	84	66	12	0	259	12	22	17	23	22	15	25
Edinburgh	485	39	31	21	3	18 to 23	52	59	54	0	0	236	18	21	21	29	21	19	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	21, 22	5	21 to 23	53	40	44	26	0	225	19	21	19	27	22	8	40
Paisley	188	81	52	—	—	21, 22	3	77	60	28	0	281	12	21	24	30	21	23	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	21	1	53	92	22	0	236	11	21	24	22	21	23	15
South Shields	72	61	12	22	1	20 to 23	31	42	80	14	0	292	18	22	20	28	22	19	35
Spurn Head	66	40	‡	—	Instrument dismounted for		repair.	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	72	87	9	0	247	10	20	23	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	80	77	11	0	225	10	20	22	16	20	23	50
Shoeburyness	103	90	‡	—	—	20	4	62	74	28	0	214	13	20	20	17	22	4	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	45	94	29	0	247	9	22	11	18	22	11	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	41	109	1	17	—	10	20	19	19	20	18	30
Brighton	261	53	6	—	—	—	—	52	73	43	0	—	11	20	21	16	22	11	5
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	20 to 22	30	73	50	15	0	270	15	22	14	22	22	13	50
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	27	77	64	0	225	8	22	2	16	22	2	25
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	22	4	69	48	47	0	?	11	22	5	21	22	3	30
Fleetwood (Cup Anr.) ..	109	44	‡	—	—	20 to 23	48	83	35	2	0	259	17	20	23	—	—	—	—
Southport	80	62	48	20 to 22	12	20 to 23	54	78	24	0	0	236	20	21	24	26	22	0	5
Holyhead	60	40	‡	—	—	17, 18, 20 to 23	46	107	14	1	0	281	15	21	1	22	21	22	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	20 to 22	21	64	73	10	—	225	13	20	17	19	22	5	10
Plymouth	185	88	2	—	—	—	—	22	125	21	0	—	9	20	15	13	20	16	45
Lyme Regis	556	61	‡	—	—	22	16	48	68	36	0	—	14	22	14	19	22	13	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	21, 22	5	18, 20 to 23	47	71	39	8	0	259	22	22	5	—	—	—	—
Quilty	100	40	‡‡‡	—	—	17, 18, 20 to 23	61	74	28	5	0	—	16	21	17	26	20	21	5
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	17, 18, 21, 22	39	82	25	21	1	225	14	21	17	22	18	3	25
Weaver Pt.	160	30	‡‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	20 to 22	13	66	74	15	0	293	12	22	9	20	20	16	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7 1·6 to 5·4 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

* Above tops of trees.

** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1918—February 17th to February 23rd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	28	80·9	75·2	78·1	+ 1·5	12	+ 5	25	− 8	7	+ 2	2·84	72	+ 48	1·5	−0·7	16	1007
Eastern.																			
1. SCOTLAND, EAST ...	61	27	81·1	75·3	78·2	+ 2·1	13	+ 5	24	− 16	5	+ 1	0·85	22	+ 9	2·6	−0·2	26	1011
2. ENGLAND, N.E.	58	24	81·1	74·7	77·9	+ 1·1	13	+ 3	28	− 4	2	− 2	0·24	6	− 2	3·0	+0·3	30	1018
3. ENGLAND, EAST ...	60	20	81·7	73·2	77·4	+ 0·5	16	+ 4	38	+ 4	1	− 2	0·12	3	− 4	4·2	+1·2	42	1022
4. MIDLAND COUNTIES ...	58	18	81·6	73·3	77·4	+ 0·7	15	+ 2	37	+ 1	2	− 1	0·18	5	− 4	2·8	+0·1	27	1022
5. ENGLAND, S.E.	57	18	81·2	73·7	77·4	− 0·1	13	− 1	34	+ 6	2	− 1	0·15	4	− 6	4·1	+1·0	40	1023
Western.																			
6. SCOTLAND, WEST ...	55	30	80·9	76·6	78·8	+ 1·6	18	+ 9	10	− 19	7	+ 3	2·20	56	+ 34	0·8	−1·4	8	1015
7. ENGLAND, N.W.	58	29	81·3	76·4	78·9	+ 1·6	20	+ 10	11	− 17	4	0	0·89	23	+ 9	1·4	−1·3	14	1019
8. ENGLAND, S.W.	57	23	81·8	75·9	78·9	+ 1·0	25	+ 9	13	− 10	3	− 1	0·33	9	− 6	2·0	−1·1	20	1023
9. IRELAND, NORTH ...	56	25	82·0	76·3	79·2	+ 1·1	25	+ 11	11	− 13	6	+ 2	1·19	30	+ 13	1·0	−1·5	10	1014
10. IRELAND, SOUTH ...	58	28	83·1	76·8	79·9	+ 1·2	31	+ 11	9	− 11	6	+ 2	1·25	32	+ 12	1·2	−1·8	12	1020
11. ENGLISH CHANNEL ...	53	27	82·3	77·1	79·7	0·0	26	+ 2	7	− 2	3	− 1	0·14	3	− 11	3·6	+0·1	35	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, December 2nd, 1917, to February 23rd, 1918.

0. SCOTLAND, NORTH ...	58	5	79·0	73·8	76·5	0·0	102	+ 14	447	+ 44	70	+ 7	15·62	396	+ 5	0·8	−0·3	11	1011
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	78·6	73·0	75·9	− 0·1	82	− 5	503	+ 20	50	+ 1	6·72	170	− 15	1·5	−0·1	20	1014
2. ENGLAND, N.E.	58	9	79·3	74·0	76·7	− 0·1	105	− 3	402	+ 12	43	− 3	5·00	126	− 3	1·7	+0·1	21	1017
3. ENGLAND, EAST ...	60	14	79·4	73·6	76·6	− 0·1	121	0	441	+ 25	44	− 4	4·26	108	− 23	2·1	+0·3	25	1019
4. MIDLAND COUNTIES ...	58	12	79·6	73·9	76·8	+ 0·1	137	+ 4	425	− 10	39	− 9	4·79	123	− 33	1·5	−0·1	18	1018
5. ENGLAND, S.E.	57	11	79·8	74·4	77·2	− 0·4	140	− 29	391	+ 70	40	− 6	5·95	151	− 22	2·2	+0·3	26	1020
Western.																			
6. SCOTLAND, WEST ...	55	5	79·6	74·7	77·2	− 0·1	119	− 7	333	+ 11	62	+ 5	13·77	351	+ 18	1·2	−0·1	15	1016
7. ENGLAND, N.W.	58	12	80·2	75·4	77·9	+ 0·5	165	+ 32	272	− 43	47	− 4	7·69	195	− 22	1·4	−0·1	17	1018
8. ENGLAND, S.W.	59	13	80·4	75·7	78·1	− 0·2	198	− 11	284	+ 43	42	−11	7·83	199	− 74	1·9	+0·1	23	1019
9. IRELAND, NORTH ...	57	18	80·6	75·8	78·3	+ 0·3	197	+ 31	255	− 20	63	+ 3	9·32	237	− 9	1·1	−0·5	14	1015
10. IRELAND, SOUTH ...	58	19	81·3	76·4	78·9	+ 0·1	270	+ 19	224	+ 10	58	+ 1	10·99	280	0	1·3	−0·5	15	1018
11. ENGLISH CHANNEL ...	56	26	81·6	77·7	79·7	− 0·5	281	− 47	114	+ 27	44	−15	5·01	126	−107	2·5	+0·2	29	1020

THE YEAR 1918.—Aggregates, &c., for the Period of 8 Weeks, December 30th, 1917, to February 23rd, 1918.

0. SCOTLAND, NORTH ...	58	5	79·2	74·0	76·7	+0·3	92	+ 39	301	+ 16	47	+ 6	11.56	293	+ 42	0·9	−0·4	12	1008
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	79·1	73·4	76·3	+ 0·4	81	+ 25	322	− 12	35	+ 3	5·02	127	+ 13	1·5	−0·3	19	1010
2. ENGLAND, N.E.	58	9	79·8	74·6	77·3	+ 0·7	100	+ 30	237	− 36	31	+ 1	3·51	88	+ 11	1·7	−0·2	20	1014
3. ENGLAND, EAST ...	60	14	80·2	74·4	77·4	+ 0·9	110	+ 34	242	− 51	30	− 1	3·22	82	+ 3	2·1	0·0	24	1018
4. MIDLAND COUNTIES ...	58	12	80·5	74·9	77·8	+ 1·3	128	+ 43	224	− 78	29	− 2	3·91	100	+ 6	1·5	−0·3	18	1017
5. ENGLAND, S.E.	57	15	80·5	75·3	78·0	+ 0·7	125	+ 25	208	− 24	28	− 2	4·30	109	+ 8	2·2	+0·1	24	1018
Western.																			
6. SCOTLAND, WEST ...	55	5	79·9	75·3	77·7	+ 0·6	107	+ 31	191	− 39	43	+ 5	10·46	266	+ 62	1·2	−0·4	14	1012
7. ENGLAND, N.W.	58	12	80·9	76·2	78·6	+ 1·4	153	+ 73	142	− 81	34	+ 1	6·01	153	+ 21	1·4	−0·4	17	1014
8. ENGLAND, S.W.	59	16	81·1	76·7	79·0	+ 1·0	179	+ 53	139	− 40	32	− 2	6·58	168	+ 11	1·8	−0·3	20	1017
9. IRELAND, NORTH ...	57	18	81·1	76·4	78·8	+ 1·0	168	+ 60	142	− 51	43	+ 4	7·09	180	+ 27	1·0	−0·8	12	1010
10. IRELAND, SOUTH ...	58	19	82·0	77·3	79·7	+ 1·1	227	+ 67	116	− 36	41	+ 4	8·58	219	+ 47	1·2	−0·8	14	1013
11. ENGLISH CHANNEL ...	56	26	82·0	78·1	80·1	+ 0·3	223	+ 30	65	− 5	32	− 6	3·17	80	− 54	2·8	+0·3	30	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: February 28th, 1918.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) No. 9.

THE NINTH WEEK OF 1918.

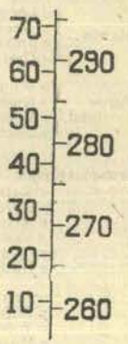
SUNDAY, FEBRUARY 24TH, TO SATURDAY, MARCH 2ND, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during this week underwent a great change. At the beginning of the period the South-West winds and high temperatures which had prevailed at the end of the preceding week were maintained under the influence of an anticyclone off our south-west coasts. A general fall of the barometer took place on Tuesday and Wednesday, and on Thursday a deep depression was shown over the North Sea. The wind shifted to North or North-East, and blew with gale force in most parts of the United Kingdom, particularly over the eastern half of Britain. The gale was accompanied by squalls of sleet, snow and hail on three days, 28th February, 1st and 2nd March—the depth of snow at West Linton, Pentland Hills, being six or seven inches. Temperature, which at the beginning of the week had been about 285 a. during the daytime, remained below 277 a. at its close, while the minimum decreased from about 282 a. to below 269 a. in many parts of Britain, the absolute minimum being 260 a. at Balmoral; the lowest of the grass minima were 262 a. at West Linton and 256 a. at Balmoral. The mean temperature for the week did not differ much from the normal, the greatest divergence being + 1 a. in England, North-East. Rainfall exceeded the normal in Scotland North, Scotland East, and the Channel Islands, but was below it in all other districts. Bright sunshine was abundant generally.

Aurora was witnessed in many parts of Scotland on February 28th and March 1st and 2nd, the zodiacal light at Aberdeen on March 2nd and at Oxford on February 28th and March 2nd, and a Sun Pillar at Aberdeen also on the 28th. Lunar halos were observed in many parts of eastern Britain between the 24th and 28th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 26.)*	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	10	4·7	11	4·7	8	1·9	11	1·7	8	3·8	1	2·4	10	4·8	10	5·0
North	14	6·5	11	5·7	17	6·1	14	4·8	29	7·5	23	7·4	13	7·3	12	8·8
West	19	7·6	22	8·2	18	4·2	15	3·7	18	6·6	14	9·0	18	8·1	17	5·6
East	6	3·3	4	2·8	9	9·2	6	3·7	10	7·0	10	7·4	6	6·0	6	3·3
Calm	1	—	0	—	0	—	1	—	0	—	0	—	0	—	5	—

* Observations at 15h. and 21h. on March 2nd not received.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 13 weeks from Dec. 2nd, 1917.	Warmth ...	3, 6, 4	3, 7, 3	4, 5, 4	3, 5, 5	3, 5, 5	2, 5, 6	5, 3, 5	5, 5, 3	5, 1, 7	5, 5, 3	5, 2, 6	4, 3, 6
	Rainfall ...	2, 8, 3	6, 2, 5	4, 5, 4	1, 7, 5	2, 5, 6	1, 7, 5	4, 6, 3	3, 6, 4	2, 3, 8	5, 5, 3	5, 3, 5	2, 3, 8
	Sunshine ...	2, 5, 6	5, 6, 2	4, 7, 2	4, 7, 2	5, 4, 4	5, 5, 3	3, 7, 3	4, 6, 3	6, 3, 4	2, 5, 6	3, 4, 6	1, 10, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(16352—19.) Wt. 153—442. 450. 3/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
0. SCOTLAND, N.	Ft.	°F.		°F.		°F	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
a, Islands.. *a* Lerwick..	54	48	25th	30	28, 1	41·9	33·1	37·5	- 0·2	7	1·23	31	+ 14											
p Deerness	160	46	28th	31	28, 1	41·0	34·6	37·8	—	5	1·30	33	+ 18	Deerness ..	2·2	+ 0·8	22	•	•	•	•	•	•
a Stornoway	51	48	25th	28	28th	42·7	33·4	38·1	- 0·6	5	1·34	34	+ 11	Stornoway ..	1·7	- 0·9	17	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	49	25th	30	28th	44·1	37·3	40·7	- 0·3	4	0·43	11	—	Castlebay ..	2·0	—	19	•	•	•	•	•	•
b, Mainland. *a* Wick	81	49	25th	27	2nd	41·6	32·6	37·1	- 0·8	5	1·42	36	+ 24	Fort Augustus..	3·2	+ 1·2	31	•	•	•	•	•	•
p Glencarron	500	48	25th	24	2nd	41·7	29·3	35·5	- 1·5	5	3·03	77	+ 37											
p Fort Augustus.. ..	88	54	24th	21	2nd	45·4	30·9	38·2	+ 0·2	4	1·46	37	+ 16											
p Fort William	171	50	26th	21	2nd	43·7	31·6	37·7	- 1·3	4	2·21	56	+ 19											
1. SCOTLAND, E.																							
a Nairn	82	48	25th	22	2nd	42·9	32·3	37·6	- 0·1	4	0·91	23	+ 12	Nairn	4·0	—	39	•	•	•	•	•	•
p Gordon Castle	101	51	24th	26	2nd	44·4	32·9	38·7	+ 0·2	5	0·84	21	+ 9	Gordon Castle..	3·0	—	29	•	•	•	•	•	•
a Aberdeen	46	54	24th	32	2nd	46·0	35·7	40·9	+ 2·5	4	0·38	10	- 3	Aberdeen ..	2·9	0·0	28	3	29	•	•	40·9	+1·3
a Balmoral	930	48	24th	9	2nd	39·9	30·4	35·2	+ 0·8	5	1·32	34	+ 18	Balmoral ..	•	•	•	4	2	•	•	•	•
p Crieff	432	50	24th	22	2nd	44·1	30·0	37·1	- 1·1	5	0·42	11	- 8	Crathes	2·8	- 0·1	27	4	23	38·6	+1·7	39·8	+1·8
a Dundee	244	55	26th	28	1st	45·3	33·6	39·5	+ 1·7	5	0·54	14	+ 3	Dundee	3·2	—	31	4	24	40·3	•	•	•
a Leith	30	53	24th	31	2nd	45·0	36·0	40·5	+ 0·9	4	0 49	12	+ 3	Leith	•	•	•	3	28	•	•	•	•
p Edinburgh	441	51	24th	30	28, 1, 2	43·1	34·0	38·6	+ 0·3	3	0·38	10	0	Edinburgh ..	2·6	- 0·4	25	4	24	•	•	•	•
a West Linton	769	49	25th	17	2nd	41·0	31·3	36·2	+ 0·9	5	0·88	22	—	West Linton ..	2·2	—	21	4	13	•	•	•	•
p Marchmont	498	52	24th	29	28th	46·3	32·3	39·3	+ 2·0	6	0·69	18	+ 4	Marchmont ..	2·6	- 0·1	25	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	49	25, 26	23	2nd	45·7	32·9	39·3	—	4	0·74	19	—	Ford (Argyll) ..	•	•	•	4	15	41·2	•	41·9	—
p Glasgow Observatory	180	49	24th	27	2nd	43·3	34·7	39·0	- 0·3	4	0·56	14	- 1	Glasgow.. ..	2·3	+ 0·3	22	4	20	•	•	•	•
p Rothesay	200	50	24th	28	2nd	44·3	33·3	38·8	- 1·2	5	0·77	20	- 1	Rothesay ..	2·3	—	22	4	21	41·0	•	43·4	+1·5
a Kilmarnock	90	50	24th	24	2nd	45·3	35·1	40·2	+ 1·4	4	0·59	15	- 1	Kilmarnock ..	2·6	—	25	•	•	40·9	•	43·0	•
a Colmonell	170	51	24th	26	2nd	46·0	36·9	41·5	+ 2·2	4	0·39	10	- 10	Colmonell ..	•	•	•	2	21	•	•	•	•
p Cally, Gatehouse ..	120	50	25th	28	2nd	44·9	35·3	40·1	+ 1·0	4	0·65	17	- 5	Dumfries	2·4	—	23	5	15	41·2	+1·6	42·4	+1·6
p Dumfries	160	50	24th	28	2nd	44·0	34·1	39·1	- 0·1	5	0·28	7	- 9	Eskdalemuir ..	2·5	—	24	4	21	•	•	•	•
a Eskdalemuir	794	48	24th	25	2nd	40·1	31·7	35·9	—	5	1·22	31	—											
b, I. OF MAN *p* Douglas	277	51	24, 26	31	28th	45·6	36·3	41·0	+ 0·4	4	0·79	20	+ 3	Douglas	3·9	+ 0·7	37	3	27	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle ..	310	54	26th	29	2nd	46·3	35·6	41·0	+ 2·3	4	0·26	7	- 8											
a Tynemouth	71	53	26th	32	28th	45·1	36·4	40·8	+ 1·6	1	0·08	2	- 10	Cockle Park ..	4·1	+ 1·0	40	4	20	38·6	+1·1	41·0	+1·4
p Durham	336	52	24, 26	30	28th	45·8	36·0	41·0	+ 2·4	4	0·23	6	- 6	Durham	4·2	+ 1·5	40	3	28	•	•	•	•
p Rounton	249	53	26th	22	2nd	45·4	34·1	39·8	+ 1·6	5	0·31	8	- 4	Rounton	•	•	•	5	21	40·3	•	•	•
a West Witton	605	48	24–26	26	2nd	42·9	34·6	38·8	—	5	0·38	10	—	West Witton ..	•	•	•	5	22	40·1	•	40·4	•
p Scarborough	100	53	25th	36	1st	47·4	39·1	43·3	+ 3·4	6	0·48	12	- 1	Scarborough† ..	3·8	+ 1·0	37	•	•	•	•	42·0	•
p York	56	51	24th	27	2nd	45·0	35·9	40·5	+ 0·9	4	0·28	7	- 5	York	3·5	+ 1·1	34	•	•	41·6	+2·3	42·5	+1·4
b, South .. *a* Spurn Head	26	50	24, 26	33	1, 2	44·1	36·4	40·3	+ 0·9	2	0·28	7	- 3	Spurn Head ..	4·7	—	45	•	•	•	•	•	•
a Lincoln	58	53	26th	31	2nd	46·1	35·2	40·7	+ 1·2	3	0·54	14	+ 3	Lincoln	•	•	•	5	22	40·5	+2·3	42·5	+2·0
a Fulbeck	180	52	26th	28	1, 2	45·0	33·7	39·4	0·0	7	0·43	11	- 1	Rauceby ..	4·8	+ 1·7	45	•	•	41·9	+1·3	43·2	+0·7
														Skegness ..	4·6	+ 1·3	43	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	53	24th	31	2nd	47·0	35·7	41·4	+ 2·1	3	0·14	4	- 5	Cromer	5·0	+ 1·9	47	•	•	•	•	•	•
a Little Massingham ..	280	52	24th	26	2nd	44·1	33·1	38·6	- 0·5	3	0·77	20	+ 8	Lit. Massingham	4·6	+ 1·9	43	•	•	•	•	•	•
a Yarmouth	13	53	24th	32	1st	45·7	36·0	40·9	+ 2·0	3	0·28	7	- 3	Yarmouth ..	5·4	—	51	2	28	42·4	+2·3	44·7	+2·0
a Norwich	93	53	24th	30	1st	46·3	36·1	41·2	+ 1·7	3	0·34	9	- 3	Norwich ..	4·8	—	45	4	23	40·1	•	•	•
a Geldeston	37	55	24th	29	26, 1	47·3	34·0	40·7	+ 1·1	3	0·21	5	- 5	Geldeston ..	5·2	+ 2·3	49	•	•	•	•	•	•
p Cambridge	41	53	24, 26	28	26th	47·0	33·0	40·0	+ 0·3	2	0·23	6	- 3	Cambridge ..	4·6	+ 1·7	43	5	22	41·7	+1·4	43·4	+1·0
a Clacton-on-Sea ..	54	51	24th	31	2nd	45·4	35·6	40·5	+ 1·4	2	0·20	5	- 4	Clacton	4·3	+ 1·1	40	3	23	41·8	+0·5	43·9	+0·2
a Rothamsted	424	51	24th	28	2nd	44·7	33·4	39·1	+ 0·1	3	0·34	9	- 4	Rothamsted ..	4·9	+ 2·1	46	5	23	40·5	•	•	•
p Tottenham	51	53	24th	30	2nd	48·0	36·6	42·3	+ 2·1	3	0·24	6	—	Tottenham ..	4·4	—	42	1	29	•	•	43·5	+0·1
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	49	24, 26	25	2nd	43·9	33·9	38·9	+ 3·7	5	0·24	6	- 8	Harrogate ..	4·5	+ 1·6	43	4	21	40·4	+1·7	41·8	+1·9
p Sheffield	429	52	24th	29	2nd	45·0	35·4	40·2	—	5	0·23	6	—	Sheffield.. ..	3·7	+ 1·2	36	3	24	40·6	+1·9	42·0	+1·3
p Buxton	987	48	24th	28	2nd	41·3	34·3	37·8	+ 1·4	5	0·48	12	- 14	Buxton	3·2	—	30	4	24	39·4	+1·2	41·2	+0·5
a Bawtry	65	53	26th	26	2nd	45·4	34·9	40·2	+ 0·5	3	0·22	6	- 4	Worksop ..	3·8	+ 1·4	36	7	16	41·2	•	42·6	•
a Nottingham	82	53	26th	30	2nd	45·6	36·4	41·0	+ 1·5	4	0·40	10	0	Nottingham ..	4·0	+ 1·5	38	5	24	40·5	+1·7	41·5	+1·8
b, East .. *p* Birmingham, Edgbsn.	535	51	26th	29	2nd	45·1	35·0	40·1	+ 0·7	3	0·28	7	- 5	Birmingham ..	3·4	+ 1·3	32	5	23	41·3	+1·0	44·1	+0·7
a Raunds	203	52	24, 26	25	2nd	46·0	32·7	39·4	+ 0·1	3	0·21	5	- 5	Raunds	5·2	—	49	6	19	41·3	•	43·5	•
p Oxford	208	51	24th	28	2nd	46·1	34·9	40·5	+ 0·3	2	0·16	4	- 7	Oxford	4·6	+ 1·8	43	5	22	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	49	24, 26	29	2nd	43·1	33·1	38·1	- 0·2	4	0·26	7	- 8	Cheadle	•	•	•	5	23	•	•	•	•
p Shrewsbury	191	53	24th	27	2nd	47·5	36·4	42·1	+ 1·7	5	0·33	8	- 2	Shrewsbury ..	•	•	•	3	22	•	•	•	•
a Hereford§	291	55	26, 27	28	2nd	47·1	35·0	41·1	+ 1·0	3	0 14	4	- 8	Malvern§ ..	3·5	—	33	4	25	41·5	•	43·2	•
a Clifton	229	50	24th	29	2nd	45·3	36·4	40·9	0·0	3	0·28	7	- 11	Clifton	4·2	—	40	3	26	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	49	24, 26, 27	27	2nd	44·7	33·9	39·3	+ 0·6	4	0·37	9	- 7	Worthing	4·1	+ 0·5	38	5	23	42·4	+0·5	44·2	+0·3
p Salisbury (Wilton) ..	180	57	24th	27	26, 2	46·8	32·1	39·5	+ 0·1	3	0 45	11	- 7	Marlborough ..	3·6	+ 1·1	37	6	21	42·5	•	44·6	•
a Wisley, Surrey ..	150	51	24th	29	2nd	45·3	35·6	40·5	+ 0·8	3	0·40	10	- 2	Salisbury	•	•	•	3	24	42·8	•	•	•
a Tunbridge Wells ..	354	54	24th	28	2nd	46·3	34·9	40·6	+ 1·2	4	0·50	13	- 3	Wisley	4·5	+ 1·7	42	5	18	41·8	+1·1	43·4	+0·9
a Margate	51	53	24th	34	26th	45·0	38·4	41·7	+ 1·3	2	0·19	5	- 5	Tunbridge Wells	3·6	+ 0·5	34	4	21	42·4	+3·6	43·8	•
														Margate	3·6	+ 0·5	34	2	29	42·6	+1·0	43·9	+0·7
a Dungeness	21	50	27th	29	26th	45·3	35·9	40·6	+ 0·7	6	0·29	7	- 4	Folkestone ..	4·5	—	42	•	•	•	•	43·9	•
p St. Leonards	178	51	24th	31	1, 2	45·4	36·0	40·7	+ 0·3	5	0·38	10	- 4	St. Leonards ..	4·1	+ 0·7	38	3	27	42·1	•	43·1	•
p Southampton	64	53	24th	29	26, 2	46·7	35·7	41·2	- 0·4	2	0·37	10	- 5	Southampton ..	4·8	+ 1·7	45	5	16	•	•	•	•
a Ventnor	59	51	24th	30	2nd	46·4	37·1	41·8	- 0·3	3	0·40	10	- 4	Ventnor	4·4	+ 0·8	41	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	52	24th	30	2nd	46·4	35·8	41·1	+ 0·7	3	0·30	8	- 3	Richmond ..	4·5	+ 1·9	42	5	21	41·9	+1·3	43·5	+0·2
a Westminster	27	54	24th	—	—	47·2	—	—	—	2	0·29	7	- 3	Westminster ..	3·7	+ 2·0	35	3	28	•	•	•	•
ag Greenwich	149	54	24th	30	26, 2	46·7	36·1	41·4	+ 0·6	3	0·31	8	- 2	Greenwich ..	4·0	+ 1·5	38	4	23	•	•	•	•
a Hampstead	450	52	24th	27	2nd	44·9	33·1	39·0	—	3	0·30	8	—	Hampstead ..	4·8	—	45	6	23	•	•	•	•
ag Camden Square ..	110	57	24th	28	2nd	48·6	35·7	42·2	+ 1·7	3	0·32	8	- 4	Camden Square	4·0	+ 1·9	38	4	25	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	24th	26	2nd	42·0	33·3	37·7	- 1·1	5	0·52	13	- 6	Aspatria.. ..	2·5	- 0·3	24	4	18	40·6	-0·6	43·0	+0·2
p Newton Rigg	559	54	24th	29	28, 2	42·6	33·1	37·9	+ 0·3	6	0·43	11	- 8	Newton Rigg ..	2·8	+ 0·1	27	4	22	41·3	+2·2	41·5	+1·5
p Stonyhurst	375	48	24, 26	30	1st	43·3	33·9	38·6	- 0·2	5	0·49	12	- 10	Stonyhurst ..	4·1	+ 1·5	39	5	28	•	•	•	•
p Blackpool	60	49	24th	30	2nd	44·3	38·3	41·3	+ 1·7	4	0·18	5	- 9	Blackpool	3·9	+ 0·7	38	2	17	43·1	•	44·6	•
a Southport	37	51	26th	28	2nd	45·3	37·6	41·5	+ 1·6	3	0·27	7	- 7	Southport	3·9	+ 0 9	38	2	19	40·9	+1·5	43·1	+2·4
														Hoylake	3·4	+ 0 5	33	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	53	26th	30	2nd	45·4	37·1	41·3	+ 1·0	3	0·20	5	- 6	Liverpool	3·7	—	36	1	27	•	•	•	•
a Hawarden Bridge ..	22	53	24, 26	33	2nd	46·1	38·6	42·4	+ 1·4	3	0·29	7	- 2	Manchester (City)	2·2	+ 0·4	21	1	28	41·1	+1·9	44·1	+2·0
p Manchester (Whit. Pk.)	125	52	24th	32	2nd	46·4	36·7	41·6	+ 1·1	4	0·18	5	- 8	Whitworth Park	2·3	+ 0·5	22	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	52	24th	33	28th	46·4	39·4	42·9	+ 1·3	4	0·39	10	- 3	Llanduduo	4·2	+ 1·2	40	•	•	•	•	•	•
a Holyhead	15	51	26th	33	28, 1	46·0	38·9	42·5	+ 1·1	4	0·34	8	- 8	Holyhead	3·0	—	28	0	31	•	•	•	•
a Beddgelert	309	53	27th	29	28, 2	44·4	35 3	39·9	—	4	2·34	59	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—											

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																								
a Aberystwyth	59	49	24th	33	2nd	44·7	38·4	41·6	—	5	0·34	9	—	Aberystwyth ..	3·8	+ 0·9	36	*	*	*	*	*	*
a Rhayader	757	50	24th	28	2nd	42·1	34·9	38·5	—	5	0·27	7	—	Rhayader ..	3·5	—	33	3	25	*	*	*	*
a St. Ann's Head ..	149	49	28th	32	1st	44·9	39·4	42·2	+ 0·3	4	0·67	17	0	St. Ann's Head	3·7	+ 0·5	35	*	*	*	°	*	*
p Cardiff	202	50	24th	30	2nd	45·9	36·4	41·2	+ 0·8	2	0·13	3	- 17	Cardiff	4·2	—	40	4	26	43·4	+2·3	44·9	+1·9
b, ENGLAND, S.W.																								
a Bath	66	53	24th	29	2nd	46·4	35·6	41·0	+ 0·3	2	0·25	6	- 8	Bath	*	*	*	*	*	43·8	+3·4	45·4	+2·0
a Shaftesbury	722	—	—	27	2nd	—	33·7	—	—	3	0·42	11	- 4	Shaftesbury ..	*	*	*	*	*	42·6	*	43·9	*
a Arlington	613	47	24, 25, 27	31	1, 2	43·0	36·1	39·6	- 0·3	4	1·01	26	0										
a Hartland Quay ..	100	49	24th	33	1st	45·0	40·3	42·7	—	4	0·67	17	—										
a Newquay	190	51	24th	31	28, 1	45·6	37·0	41·3	- 1·9	4	0·83	21	+ 5	Newquay ..	3·7	+ 0·4	35	4	27	46·4	*	47·6	*
a Cullompton	202	52	24th	29	26th	46·7	35·9	41·3	+ 0·3	4	0·48	12	- 6	Cullompton ..	4·2	+ 1·3	39	4	20	44·4	*	*	*
a Portland Bill ..	16	48	24–27	31	2nd	45·3	39·0	42·2	+ 0·1	2	0·24	6	- 7	Weymouth ..	4·5	—	42	*	*	*	*	*	*
p Plymouth	116	52	24th	30	2nd	47·4	37·7	42·6	0·0	4	0·56	14	- 5	Plymouth ..	4·3	+ 1·0	40	3	25	44·5	+1·3	47·0	*
a Falmouth	167	52	24th	30	1st	46·1	36·6	41·4	- 1·8	5	1·37	35	+ 11	Falmouth ..	3·7	+ 0·3	35	2	28	46·8	*	48·4	*
9. IRELAND, N.																								
a, West .. *a* Malin Head	208	51	24th	27	1st	45·1	37·0	41·1	- 0·3	5	0·55	14	- 1	Malin Head ..	2·5	—	24	*	*	*	*	*	*
a Blacksod Point ..	327	49	26th	30	28, 1	44·9	36·6	40·8	- 2·0	5	0·56	14	- 12	Markree Castle	2·4	- 0·1	23	4	16	43·0	+0·6	45·0	+1·3
p Markree Castle ..	122	52	24th	23	2nd	46·4	33·6	40·0	- 1·0	5	0·73	19	- 3										
b, East .. *p* Armagh	196	52	26th	24	2nd	45·7	32·4	39·1	- 1·8	3	0·46	12	- 3	Armagh	3·8	+ 1·3	37	4	18	43·1	+2·0	44·8	+1·9
a Donaghadee	101	52	24th	32	28th	45·6	37·3	41·5	0·0	4	0·41	10	- 4										
10. IRELAND, S.																								
p Dublin, City	47	55	24, 26	30	2nd	47·4	36·7	42·1	- 0·7	3	0·21	5	- 7	Dublin City ..	*	*	*	2	25	*	*	*	*
a Birr Castle	175	53	24th	23	2nd	46·6	33·1	39·9	- 1·1	4	0·24	6	- 8	Trinity Coll. ..	*	*	*	4	25	44·8	+2·6	46·5	+2·6
a Kilkenny	212	55	24th	28	2nd	47·0	35·6	41·3	- 0·2	3	0·18	5	- 10	Phœnix Park ..	3·1	+ 0·1	29	4	16	*	*	*	*
a Waterford	20	54	26th	29	2nd	47·9	36·3	42·1	- 0·7	4	0·22	6	- 12	Birr Castle ..	3·7	+ 1·0	35	4	15	*	*	*	*
p Seskin, Carrick-on-Suir	541	53	24, 26	25	2nd	46·4	33·4	39·9	—	3	0·28	7	—	Seskin	4·8	—	45	4	19	*	*	*	*
a Cahir	199	54	24–26	24	2nd	46·3	35·3	40·8	- 1·0	3	0·37	9	—										
a Foynes	50	54	24th	29	2nd	45·4	35·1	40·3	- 2·6	4	0·43	11	- 8										
a Cahirciveen (Val. Obs.)	30	52	24, 26	27	2nd	47·7	39·3	43·5	- 0·9	4	0·55	14	- 16	Cahirciveen ..	3·6	+ 0·7	34	1	23	*	*	*	*
a Killarney	174	58	24th	25	2nd	49·5	37·5	43·5	+ 0·2	5	0·79	20	- 10	Ballinacurra ..	5·1	+ 1·8	48	*	*	*	*	*	*
a Roche's Point	32	53	24, 26	31	2nd	46·9	38·4	42·7	- 1·0	5	0·37	10	- 10										
11. ENGLISH CHANNEL.																								
a Scilly, St. Mary's ..	131	52	24th	35	1st	47·9	40·4	44·2	- 0·8	4	0·41	10	- 5	Scilly	4·2	+ 0·6	39	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	53	25th	33	26th	46·7	37·7	42·2	- 1·2	7	1·00	26	+ 11	St. Heliers ..	3·0	- 0·9	28	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	24th	33	1st	46·6	40·0	43·3	- 0·6	5	0·76	19	+ 3	Guernsey† ..	3·5	- 0·2	33	1	25	44·9	+0·5	46·2	+0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 2nd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-	6 to 10 m/s. Dur-	2 to 5 m/s. Dur-	Less than 2 m/s. Dur-	No Record. Dur-	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	23, 26 to 28	25	23 to 28	48	53	41	1	0	259	22	26	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	26, 28	7	26 to 28	20	61	60	20	0	23	22	28	7	33	28	7	30
Edinburgh	486	39	31	—	—	24 to 28	52	73	43	0	0	247	17	26	8	30	28	8	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	26, 28	16	24 to 28, 1	45	63	41	3	0	23	22	28	12	33	28	12	5
Paisley	188	81	52	—	—	28	9	53	77	29	0	11	14	28	8	29	28	8	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	26 to 28	17	63	75	13	0	236	14	26	10	26	26	9	5
South Shields	72	61	12	26, 28	10	26, 28, 1	19	87	48	4	0	293	20	26	13	33	26	12	55
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	2	8	1, 2	39	47	74	0	0	56	19	2	19	—	—	—	—
Gorleston	52	42	‡	—	—	25, 1, 2	45	37	86	0	0	67	16	2	23	20	1	6	55
Shoeburyness	103	90	‡	—	—	25, 1, 2	26	67	73	2	0	45	16	2	15	23	2	20	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	1	4	70	81	13	0	23	11	1	13	19	1	12	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	1	1	66	101	0	0	—	11	1	11	24	1	11	5
Brighton	261	53	6	—	—	2	2	88	62	11	5	—	12	2	14	21	1	10	55
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	25, 26, 1, 2	42	95	31	0	0	247	14	26	17	22	26	16	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	57	97	14	0	45	10	2	12	19	1	12	50
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	69	70	26	3	270	11	27	3	19	27	18	35
Fleetwood (Cup Anr.) ..	109	44	—	27, 28	9	25 to 28, 1	46	88	25	0	0	326	22	28	9	—	—	—	—
Southport	80	62	48	26 to 28	6	24 to 28, 1	75	79	8	0	0	23	18	28	16	34	27	19	15
Holyhead	60	40	‡	28	11	24 to 28, 1	50	99	8	0	0	23	24	28	14	31	28	14	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	28	1	24, 25, 27, 28, 1, 2	35	104	23	5	0	23	17	28	22	26	28	21	15
Plymouth	185	88	2	—	—	—	—	40	114	14	0	—	10	28	24	20	28	23	55
Lyme Regis	556	61	‡	—	—	25, 26, 28, 1, 2	30	98	29	11	0	—	17	25	2	23	25	1	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	26, 28	10	24, 26 to 28, 1, 2	41	107	10	0	0	247	20	26	10	—	—	—	—
Quilty	100	40	‡‡	28	5	24 to 28, 1	69	51	26	1	16	—	21	28	6	30	28	9	45
Cahirciveen (Val. Obs.)	98	41	‡‡	28	2	24, 26 to 28	30	92	24	20	0	349	18	28	7	31	28	13	0
Weaver Pt.	160	30	‡	28	5	24, 27, 28, 1	18	68	48	29	0	—	19	28	16	27	28	14	40
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	28	11	24 to 28, 1	42	64	45	2	4	0	20	28	18	34	28	17	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1918—February 24th to March 2nd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Deviation from Normal.	Accumulated Below 42°	Accumulated Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	21	79·0	72·9	76·0	− 0·4	2	− 4	37	+ 2	5	0	1·78	45	+ 21	2·4	− 0·0	23	1018
Eastern.																			
1. SCOTLAND, EAST ...	54	9	79·5	73·3	76·4	+ 0·3	5	− 2	34	− 6	5	+ 1	0·74	19	+ 6	3·0	+0·3	29	1019
2. ENGLAND, N.E.	54	22	80·6	75·1	77·9	+ 1·0	10	− 2	25	− 7	4	0	0·32	8	− 4	4·2	+1·3	40	1021
3. ENGLAND, EAST ...	55	26	80·9	74·6	77·7	+ 0·6	12	− 3	28	− 6	3	− 1	0·31	8	− 2	4·8	+1·9	45	1021
4. MIDLAND COUNTIES ...	55	25	80·5	74·6	77·6	+ 0·5	10	− 6	27	− 7	4	0	0·25	6	− 6	4·0	+1·4	38	1023
5. ENGLAND, S.E.	57	27	80·7	74·9	77·8	+ 0·1	11	− 6	26	− 2	4	0	0·37	9	− 4	4·2	+1·1	39	1022
Western.																			
6. SCOTLAND, WEST ...	51	23	80·2	74·6	77·4	+ 0·2	8	− 2	28	− 1	4	0	0·60	15	− 6	3·1	+0·5	30	1021
7. ENGLAND, N.W.	54	26	80·1	75·6	77·8	+ 0·4	8	− 4	21	− 6	4	0	0·34	9	− 7	3·5	+0·7	33	1024
8. ENGLAND, S.W.	53	27	80·4	75·7	78·1	− 0·1	9	− 9	21	− 1	4	0	0·54	14	− 6	3·8	+0·8	36	1025
9. IRELAND, NORTH ...	53	23	80·6	74·7	77·7	− 0·6	10	− 6	27	+ 5	4	− 1	0·49	12	− 7	3·1	+0·6	30	1024
10. IRELAND, SOUTH ...	58	23	81·4	75·4	78·4	− 0·5	15	− 7	23	+ 7	4	0	0·37	9	− 11	3·9	+1·0	37	1028
11. ENGLISH CHANNEL ...	53	33	81·4	77·1	79·2	− 0·5	19	− 5	7	− 1	5	+ 1	0·72	18	+ 2	3·6	−0·2	33	1026

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, December 2nd, 1917, to March 2nd, 1918.

0. SCOTLAND, NORTH ...	58	5	79·0	73·7	76·4	− 0·1	104	+ 10	484	+ 46	75	+ 7	17·40	441	+ 26	0·9	−0·3	12	1012
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	78·7	73·0	75·9	− 0·1	87	− 7	537	+ 14	55	+ 2	7·46	189	− 9	1·6	−0·1	21	1014
2. ENGLAND, N.E.	58	9	79·4	74·1	76·8	0·0	115	− 5	427	+ 5	47	− 3	5·32	134	− 7	1·9	+0·2	23	1017
3. ENGLAND, EAST ...	60	14	79·5	73·7	76·7	0·0	133	− 3	469	+ 19	47	− 5	4·57	116	− 25	2·3	+0·4	27	1020
4. MIDLAND COUNTIES ...	58	12	79·7	73·9	76·9	+ 0·2	147	− 2	452	− 17	43	− 9	5·04	129	− 39	1·7	0·0	20	1020
5. ENGLAND, S.E.	57	11	79·8	74·4	77·2	− 0·4	151	− 35	417	+ 68	44	− 6	6·32	160	− 26	2·3	+0·3	27	1021
Western.																			
6. SCOTLAND, WEST ...	55	5	79·6	74·7	77·2	− 0·1	127	− 9	361	+ 10	66	+ 5	14·37	366	+ 12	1·3	−0·1	16	1016
7. ENGLAND, N.W.	58	12	80·2	75·4	77·9	+ 0·5	173	+ 28	293	− 49	51	− 4	8·03	204	− 29	1·5	−0·1	18	1018
8. ENGLAND, S.W.	59	13	80·4	75·7	78·1	− 0·2	207	− 20	305	+ 42	46	−11	8·37	213	− 80	2·1	+0·2	24	1020
9. IRELAND, NORTH ...	57	18	80·6	75·8	78·3	+ 0·3	207	+ 25	282	− 15	67	+ 2	9·81	249	− 16	1·2	−0·4	15	1015
10. IRELAND, SOUTH ...	58	19	81·3	76·3	78·9	+ 0·1	285	+ 12	247	+ 17	62	+ 1	11·36	289	− 11	1·5	−0·4	17	1018
11. ENGLISH CHANNEL ...	56	26	81·6	77·6	79·7	− 0·4	300	− 52	121	+ 26	49	−14	5·73	144	−105	2·6	+0·2	30	1021

THE YEAR 1918.—Aggregates, &c., for the Period of 9 Weeks, December 30th, 1917, to March 2nd, 1918.

0. SCOTLAND, NORTH ...	58	5	79·2	73·8	76·6	+ 0·2	94	+ 35	338	+ 18	52	+ 6	13·34	338	+ 63	1·1	−0·3	13	1009
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	79·1	73·4	76·3	+ 0·3	86	+ 23	356	− 18	40	+ 4	5·76	146	+ 19	1·7	−0·3	20	1011
2. ENGLAND, N.E.	58	9	79·9	74·7	77·4	+ 0·8	110	+ 28	262	− 43	35	+ 1	3·83	96	+ 7	2·0	0·0	23	1015
3. ENGLAND, EAST ...	60	14	80·3	74·4	77·4	+ 0·8	122	+ 31	270	− 57	33	− 2	3·53	90	+ 1	2·4	+0·2	27	1018
4. MIDLAND COUNTIES ...	58	12	80·5	74·8	77·8	+ 1·2	138	+ 37	251	− 85	33	− 2	4·16	106	0	1·8	−0·1	21	1018
5. ENGLAND, S.E.	57	15	80·6	75·3	78·0	+ 0·7	136	+ 19	234	− 26	32	− 2	4·67	118	+ 4	2·4	+0·2	26	1019
Western.																			
6. SCOTLAND, WEST ...	55	5	80·0	75·2	77·7	+ 0·6	115	+ 29	219	− 40	47	+ 5	11·06	281	+ 56	1·4	−0·3	16	1013
7. ENGLAND, N.W.	58	12	80·8	76·1	78·5	+ 1·3	161	+ 69	163	− 87	38	+ 1	6·35	162	+ 14	1·7	−0·2	19	1015
8. ENGLAND, S.W.	59	16	81·0	76·6	78·9	+ 0·8	188	+ 44	160	− 41	36	− 2	7·12	182	+ 5	2·0	−0·2	22	1018
9. IRELAND, NORTH ...	57	18	81·0	76·2	78·7	+ 0·8	178	+ 54	169	− 46	47	+ 3	7·58	192	+ 20	1·3	−0·5	15	1012
10. IRELAND, SOUTH ...	58	19	81·9	77·1	79·5	+ 0·8	242	+ 60	139	− 29	45	+ 4	8·95	228	+ 36	1·5	−0·6	17	1015
11. ENGLISH CHANNEL ...	56	26	81·9	78·0	80·0	+ 0·2	242	+ 25	72	− 6	37	− 5	3·89	98	− 52	2·8	+0·1	31	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: March 7th, 1918.

EXAMINED BY - -
AUTHORITY FOR ISSUE
ISSUED ON - - - 16.3.18

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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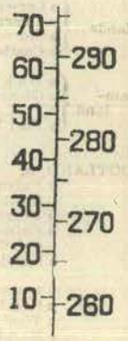
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 10.

THE TENTH WEEK OF 1918.
SUNDAY, MARCH 3RD, TO SATURDAY, MARCH 9TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was dry, cold and cloudy. These Islands were mostly under the influence of a Scandinavian anticyclone, the lowest pressures being found over France and the Bay of Biscay and finally off our western coasts. The wind blew from some Easterly quarter throughout, and was fresh or strong as a rule, attaining gale force in the English Channel on the 3rd, and at some north-western stations on the 6th. Temperature was below normal in all districts, the deficit being about 1 a. generally and increasing to 2 a. in Scotland, East. In many parts of Scotland and north-eastern England the maximum failed to reach 277 a. until the end of the week; on the 3rd Balmoral had a screen-minimum of 260 a. and a grass-minimum of 258½ a. Snow showers fell in Scotland and northern and eastern England on several days, and slight rain in most other regions, the measurements, however, were mostly small, and in a few isolated places the week was rainless. Thick rime was reported in Norfolk on Saturday, but the day subsequently proved to be the warmest and brightest of the week in most parts of England. Bright sunshine for the week was deficient except in Scotland North, England South-West, and the Channel Islands, the highest individual daily means being 6·1 hr. at Aberystwyth, 5 hr. at Jersey, and about 4½ hr. in some parts of northern Scotland and the south coast of England, and the lowest about ½ hr. at Birr (Central Ireland).



Temperature Scales.

The Zodiacal Light was observed at Oxford on the 8th, and on the night of the 7–8th an Aurora (in some cases described as brilliant) was seen from many parts of Scotland and northern and eastern England.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	5·7	15	3·7	4	1·1	3	0·5	14	2·7	18	6·0	12	3·9	20	3·2
North	0	—	8	2·1	16	4·2	18	3·5	11	2·9	10	4·8	8	2·8	7	2·0
West	0	—	3	2·3	0	—	0	—	2	2·5	0	—	3	1·3	1	1·3
East	26	5·6	23	4·6	25	8·3	23	4·2	24	7·5	28	5·5	21	7·1	26	4·0
Calm	1	—	1	—	2	—	3	—	1	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate
Rainfall ...	Light	Light	Light	Moderate	Light	Light	Light	Very light	Light	Light	Moderate	Moderate
Sunshine ...	Abundant	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 1 week from Mar. 3rd, 1918	Warmth ...	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0
	Rainfall ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0
	Sunshine ...	1, 0, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(16463—19.) Wt. 153—442. 450. 3/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Mean for the Week. Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	Ft.	°F.		°F.		°F	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a Lerwick	54	44	6, 7	33	9th	42·3	36·3	39·2	+ 1·5	4	0·20	5	− 16									
p Deerness	160	44	8th	33	9th	41·6	36·7	39·1	—	1	0·12	3	− 16	Deerness ..	2·5	− 0·3	23	•	•	•	•	•	•
a Stornoway	51	48	7th	29	3rd	44·3	33·9	39 0	+ 0·2	2	0 39	10	− 18	Stornoway ..	4·5	+ 1·5	42	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	48	6th	36	4th	44·3	38·6	41·4	—	2	0·09	2	—	Castlebay ..	4·3	—	39	•	•	•	•	•	•
a Wick	81	42	6, 7, 9	28	3rd	40·6	33·4	36·9	− 1·3	4	0·04	1	− 14									
p Glencarron	500	48	9th	20	4th	42·9	29·1	35·8	− 1·4	1	0·39	10	− 40									
p Fort Augustus.. ..	68	48	8th	20	4th	41·4	30·0	37·0	− 1·4	0	0·00	0	− 25	Fort Augustus..	4·3	+ 2·0	40	•	•	•	•	•	•
p Fort William	171	50	6th	22	4th	44·1	31·6	37 7	− 1·6	1	0·43	11	− 34									
1. SCOTLAND, E.																						
a Nairn	82	45	9th	21	5th	40·9	26·1	33·3	− 5·3	2	0·05	1	− 11	Nairn	3·8	—	35	•	•	•	•	•	•
p Gordon Castle	101	47	4th	25	3rd	42·3	30·0	36 0	− 3 3	3	0 05	1	− 13	Gordon Castle..	2·9	—	27	•	•	•	•	•	•
a Aberdeen	46	46	7th	32	3rd	41·9	34·9	38 3	− 0·9	4	0·16	4	− 11	Aberdeen ..	1·4	− 2·0	13	2	28	•	•	40·6	+0·8
a Balmoral	930	40	4th	9	3rd	36·9	25·6	31·1	− 4·0	5	0·30	8	− 11	Balmoral ..	•	•	•	5	6	•	•	•	•
p Crieff	432	42	9th	26	3rd	38·9	30·3	34·5	− 4·6	4	0·40	10	− 11	Crathes	1·7	− 1·6	16	3	19	37·4	− 0 1	39·3	+0·9
a Dundee	244	45	5th	29	9th	41·3	33·3	37·2	− 1·5	5	0·36	9	− 4	Dundee	0·5	—	5	4	22	37·0	•	•	•
a Leith	30	47	9th	31	3rd	41·3	34·6	37·9	− 2·5	4	0 21	5	− 6	Leith	•	•	•	2	28	•	•	•	•
p Edinburgh	441	44	9th	30	3rd	40·1	33·1	36·5	− 2 5	5	0 15	4	− 7	Edinburgh ..	0·9	− 2·4	8	4	24	•	•	•	•
a West Linton	769	43	9th	23	3rd	37·7	30·4	33·9	− 2·2	5	0·30	8	—	West Linton ..	0·6	—	5	4	19	•	•	•	•
p Marchmont	498	44	9th	29	8th	38·7	32·8	35·3	− 2·4	5	0·43	11	− 5	Marchmont ..	0·5	− 2·6	5	•	•	•	•	•	•
6. *a*. SCOTLAND, W.																						
a Ford (Argyll)	149	47	6th	23	5th	43·0	31·8	37·2	—	2	0·29	7	—	Ford (Argyll) ..	•	•	•	2	17	37·9	•	41·4	—
p Glasgow Observatory	180	45	9th	29	3rd	39 9	34·1	36 9	− 2·9	4	0·23	6	− 12	Glasgow.. ..	0·2	− 2·2	2	2	22	•	•	•	•
p Rothesay	200	44	9th	30	4th	40·4	33 7	37·0	− 3·5	2	0·37	10	− 14	Rothesay ..	0·7	—	6	3	24	37·3	•	42·1	0·0
a Kilmarnock	90	47	9th	26	3rd	41·3	32·4	36 7	− 2 6	2	0·31	8	− 11	Kilmarnock ..	0 8	—	7	•	•	37·8	•	42·1	•
a Colmonell	170	51	5th	23	4th	45·6	30·4	37·8	− 2·1	1	0 15	4	− 19	Colmonell ..	•	•	•	5	20	•	•	•	•
p Cally. Gatehouse ..	120	45	6, 9	28	4th	42 3	32·9	37·5	− 2·2	2	0·18	5	− 21	Dumfries	0·8	—	7	7	27	37·6	− 2·6	41·3	+0·1
p Dumfries	160	46	9th	29	3rd	41·3	33·1	37·1	− 2·7	2	0·19	5	− 14	Eskdalemuir ..	1·2	—	11	5	21	•	•	•	•
a Eskdalemuir	704	43	9th	24	3rd	38·0	30·1	33·9	—	3	0·07	2	—									
b. I. OF MAN *p* Douglas	277	47	6, 9	32	3rd	42·3	35·4	38 8	− 2·1	1	0·13	3	− 17	Douglas	2·4	− 1·4	22	1	24	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	45	9th	30	9th	40·6	34·4	37·4	− 1·8	5	0·31	8	− 8									
a Tynemouth	71	42	9th	31	9th	39·9	35·6	37·7	− 1·9	2	0·28	7	− 4	Cockle Park ..	0·8	− 2·8	7	4	25	36·8	− 0·9	40·1	+0·3
p Durham	336	42	9th	28	9th	38·7	32 7	35·6	− 3·3	4	0·44	11	0	Durham	1·3	− 1·9	12	1	27	•	•	•	•
a North .. *p* Rounton	249	45	7, 9	27	9th	41·1	32 7	36·8	− 1 9	4	0·11	3	− 8	Rounton	•	•	•	5	23	38·3	•	•	•
a West Witton	605	44	9th	25	9th	38·3	31·4	34·8	—	5	0·49	12	—	West Witton ..	•	•	•	4	22	37·4	•	40·1	•
p Scarborough	100	45	7, 9	35	8th	43·3	37·0	40·1	− 0·4	5	0·26	7	− 5	Scarborough† ..	1·6	− 1·7	15	•	•	•	•	42·0	•
p York	56	46	9th	30	9th	41·3	34·6	37·9	− 2·4	4	0·11	3	− 8	York	0·9	− 1·9	8	•	•	39·5	− 0·3	42·1	+0·8
a Spurn Head	26	42	5, 9	32	9th	40·1	35·3	37·6	− 2·4	2	0·08	2	− 7	Spurn Head ..	2·1	—	19	•	•	•	•	•	•
b. South .. *a* Lincoln	58	48	9th	26	9th	43·2	33·6	38 3	− 1·9	3	0·10	3	− 7	Lincoln	•	•	•	4	17	38·1	− 0·7	42 3	+1·5
a Fulbeck	180	46	6, 9	27	9th	41·3	33·4	37·2	− 2·9	5	0·20	5	− 6	Rauceby	2·1	− 1·4	19	•	•	38·9	− 2·3	43·0	+0·3
														Skegness	2·5	− 1·2	23	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	46	9th	28	9th	41·9	33·4	37·5	− 2·5	5	0·18	5	− 4	Cromer	4·2	+ 0 6	38	•	•	•	•	•	•
a Little Massingham ..	280	49	9th	24	9th	43·7	31 0	37·2	− 2·8	5	0·25	6	− 7	Lit. Massingham	3·7	+ 0·5	34	•	•	•	•	•	•
a Yarmouth	13	46	9th	30	9th	41 4	35 3	38 3	− 1·3	4	0·24	6	− 5	Yarmouth	4·1	—	37	1	28	40·4	− 0·6	44·0	+0·8
a Norwich	93	50	9th	24	9th	43 7	33 7	38·6	− 1·8	4	0 22	6	− 6	Norwich	3·8	—	34	5	19	38·1	•	•	•
a Geldeston	37	48	9th	22	9th	43·1	32·7	37·8	− 2·5	5	0·25	6	− 5	Geldeston	3·7	+ 0·3	33	•	•	•	•	•	•
p Cambridge	41	54	6th	23	9th	44·7	32·6	38·5	− 2·0	2	0·10	3	− 6	Cambridge	2·3	− 1·1	21	6	19	39·8	− 1·2	42·8	0·0
a Clacton-on-Sea ..	54	47	9th	33	9th	42·9	36·0	39·4	− 0·5	3	0·13	3	− 6	Clacton	3·2	− 0 4	29	1	28	39·9	− 1·9	43·2	− 0·8
a Rothamsted	424	51	6th	26	9th	42·6	32 4	37·4	− 2·4	3	0·11	3	− 10	Rothamsted ..	2·6	− 0·6	23	4	19	37·9	•	•	•
p Tottenham	51	53	6th	33	3rd	44·1	35·9	39·9	—	2	0·22	6	—	Tottenham ..	2·5	—	23	2	27	•	•	43·2	− 0·4
4. MIDLAND COUNTIES.																						
a Harrogate	479	44	9th	27	9th	39·0	31·9	35·4	− 3·3	5	0·37	9	− 6	Harrogate	1·0	− 2·3	9	4	21	37·9	− 1·2	40·8	+0·6
a North .. *p* Sheffield	429	46	9th	29	9th	40·3	32·9	36·5	—	5	0·24	6	—	Sheffield.. ..	0·9	− 1·9	8	2	23	37·7	− 1·8	41 6	+0·8
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	2	29	36·3	− 2·6	40·9	+0·1
a Bawtry	65	48	9th	24	9th	41·7	32·3	36·9	− 3·3	4	0·16	4	− 6	Worksop	1·4	− 1·4	13	4	16	39·1	•	41·9	•
a Nottingham	82	49	6, 9	25	9th	42 3	33·1	37 6	− 2·4	2	0·06	2	− 9	Nottingham ..	2·1	− 0·7	19	3	21	37·6	− 1·6	40·4	+0·4
b. East *p* Birmingham, Edgbsn.	535	52	6th	29	3rd	42·3	32·6	37·3	− 2·5	2	0·04	1	− 11	Birmingham ..	2·3	0·0	21	4	24	38·4	− 2·0	43·8	+0·3
a Raunds	202	54	6 h	22	9th	43 6	30·6	36·9	− 3·0	2	0·11	3	− 8	Raunds	2·1	—	19	6	14	39·8	•	43·5	•
p Oxford	208	53	6th	25	9th	43·6	32 7	38 0	− 2·7	3	0·05	1	− 10	Oxford	2·5	− 0·6	23	3	17	•	•	•	•
a Cheadle (N. Staffs.) ..	646	51	6th	27	9th	41·3	31·7	36·4	− 2·4	1	0·06	1	− 14	Cheadle	•	•	•	4	24	•	•	•	•
p Shrewsbury	191	53	9th	30	3, 9	41·3	33 7	38·8	− 2 0	3	0·04	1	− 9	Shrewsbury ..	•	•	•	3	25	•	•	•	•
c. West .. *a* Hereford§	291	53	9th	27	9th	43 0	32·3	37·5	− 3·2	0	0·01	0	− 12	Malvern§	2·3	—	21	3	26	38·1	•	42·3	•
a Clifton	222	55	9th	30	3, 9	44·3	34 0	39·0	− 2·3	0	0·00	0	− 18	Clifton	1 7	—	15	2	27	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	53	6th	27	9th	43·4	32·7	37·9	− 1·5	2	0·06	2	− 15	Worthing	4·4	+ 0·6	40	1	26	40·6	− 2·0	44·1	− 0·1
p Salisbury (Wilton) ..	180	54	6	24	9	44·0	34·7	39·0	− 2·2	1	0·06	2	− 16	Marlborough ..	2·0	− 0 8	18	3	18	39 6	•	44·3	•
a Wisley, Surrey ..	150	52	6th	25	9th	43·3	34 0	39·0	− 1·5	2	0·17	4	− 9	Salisbury	•	•	•	2	22	39·4	•	•	•
a Tunbridge Wells ..	354	53	6th	30	9th	45·7	33 9	39·6	− 0·6	2	0·16	4	− 13	Wisley	2·4	− 0·7	22	4	14	39 4	− 1·8	43·0	+0·1
a Margate	51	46	6th	34	3rd	43·7	36·7	40 1	− 1 1	1	0·01	0·2	− 11	Tunbridge Wells	3·1	− 0·3	28	2	20	40·5	+1·4	43·2	•
														Margate	3·2	− 0·2	29	2	23	40·1	− 2·0	43·5	− 0·1
a Dungeness	21	47	9th	31	3rd	43·3	35·7	39·4	− 1·1	1	0 04	1	− 11	Folkestone ..	3·5	—	32	•	•	•	•	43·4	•
p St. Leonards	178	51	9th	33	3, 8	45 3	35·4	40·2	− 0·9	2	0·16	4	− 11	St. Leonards ..	4·4	+ 0·7	40	2	30	40·0	•	43·1	•
p Southampton	64	54	6th	29	9th	45·3	34·7	39·8	− 2·5	3	0·11	3	− 13	Southampton ..	3·5	+ 0·1	32	4	19	•	•	•	•
a Ventnor	59	51	6th	34	3, 4	45 1	36·4	40 6	− 2·2	3	0·13	3	− 11	Ventnor	4·3	+ 0 4	39	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	50	6, 9	30	9th	43·5	35·2	39·2	− 2·2	2	0 17	4	− 8	Richmond	1·8	− 1·0	16	1	20	38·8	− 2·5	43·0	− 0·5
a Westminster	27	52	6th	—	—	44·7	—	—	—	2	0·22	6	− 5	Westminster ..	1·7	− 0·3	15	1	29	•	•	•	•
ag Greenwich	149	51	6th	27	9th	44·0	34·4	39·1	− 2·5	2	0·17	4	− 6	Greenwich	2·6	− 0·2	23	2	19	•	•	•	•
a Hampstead	450	50	6th	28	9th	41·4	32·7	36 9	—	2	0·23	6	—	Hampstead	2·5	—	24	6	22	•	•	•	•
ag Camden Square ..	110	53	6th	27	9th	44·7	34 3	39 4	− 2·0	2	0·25	6	− 6	Camden Square ..	1·9	− 0·5	17	4	24	•	•	•	•
7. *a*. ENGLAND, N.W.																						
a Aspatria (Mealsgate)	487	47	9th	29	4th	40·4	32 1	36·1	− 3·1	4	0·13	3	− 18	Aspatria	2·7	− 0·4	25	5	24	37·4	− 4·3	41·9	− 1·2
p Newton Rigg	550	45	6, 9	29	3, 9	40·9	31·3	36·0	− 2·2	2	0·19	5	− 14	Newton Rigg ..	2·8	− 0·1	25	7	24	38·5	− 1·0	41·0	+0·7
p Stonyhurst	376	47	9th	30	8th	41·0	34·6	37·7	− 1·5	3	0 16	4	− 20	Stonyhurst ..	2 0	− 0·8	18	1	23	•	•	•	•
p Blackpool	66	51	9th	32	3, 9	43 7	34·0	38·7	− 1·3	1	0·05	1	− 14	Blackpool	2·9	− 0·5	26	4	22	40 7	•	44·2	•
a Southport	37	51	9th	31	9th	43·4	34·1	38·6	− 1·7	1	0·01	0·2	− 15	Southport	2·6	− 0·7	24	4	25	38 0	− 2·1	42·1	+0·9
														Hoylake	2·3	− 0·8	21	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	50	9th	30	3rd	42 6	34·3	38·3	− 2·5	0	0·00	0	− 12	Liverpool	2·4	—	22	2	26	•	•	•	•
a Hawarden Bridge ..	22	53	6th	32	9th	44·3	35·7	39 9	− 1·6	1	0·01	0·2	− 10	Manchester (City)	2·0	0·0	18	0	31	36·4	− 3·2	43·7	+1·3
p Manchester (Whit. Pk.)	128	51	9th	32	3rd	42·4	35·0	38·6	− 2·4	2	0·11	3	− 11	Whitworth Park	2·2	+ 0 3	20	•	•	•	•	•	•
8. NORTH WALES.																						
p Llandudno	16	55	9th	33	3rd	45 4	35·9	40·5	− 1·4	1	0·04	1	− 13	Llandudno	2·6	− 0·7	24	•	•	•	•	•	•
a Holyhead	1	51	7, 9	34	3, 4	45·4	36·1	40 6	− 1·0	0	0·00	0	− 17	Holyhead	3·8	—	35	1	27	•	•	•	•
a Beddgelert	309	52	9th	30	3, 9	44·3	32 6	38·3	—	1	0·07	2	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
7. a, SOUTH WALES																							
a Aberystwyth	59	56	9th	30	3rd	47·4	35·6	41·3	—	0	0·00	0	—	Aberystwyth ..	6·1	+ 2·9	55	*	*	*	*	*	*
a Rhayader	757	51	9th	27	3rd	41·7	32·1	36·8	—	1	0·01	0·3	—	Rhayader ..	2·4	—	22	2	23	*	*	*	*
a St. Ann's Head	149	48	6, 9	31	3, 4	44·6	36·3	40·3	- 1·5	1	0·04	1	- 17	Pembroke ..	4·2	+ 0·6	38	*	*	*	*	*	*
p Cardiff	202	54	9th	29	3rd	44·4	34·4	39·3	- 1·3	0	0·00	0	- 22	Cardiff	2·5	—	23	21	25	40·0	- 1·5	44·5	+1·3
b, ENGLAND, S.W.																							
a Bath	66	56	9th	28	9th	46·1	33·9	39·8	- 1·1	0	0·00	0	- 15	Bath	*	*	*	*	*	41·2	+0·4	44·6	+1·2
a Shaftesbury	722	51	9th	28	3rd	42·3	31·7	36·8	- 2·6	3	0·13	3	- 13	Shaftesbury ..	*	*	*	*	*	38·2	*	43·2	*
a Arlington	613	50	9th	28	4th	43·9	33·1	38·3	- 1·7	1	0·07	2	- 26										
a Hartland Quay ..	100	56	9th	33	4, 5	46·4	36·0	41·1	—	2	0·09	2	—										
a Newquay	190	53	9th	32	3, 4	45·4	35·7	40·4	- 2·7	2	0·29	7	- 10	Newquay ..	3·9	+ 0·2	35	2	24	43·0	*	46·8	*
a Cullompton	202	53	9th	28	9th	45·6	33·9	39·6	- 1·6	3	0·18	5	- 14	Cullompton ..	2·3	- 1·0	21	5	21	41·3	*	*	*
a Portland Bill	19	46	6, 7, 9	31	3rd	42·7	36·1	39·3	- 2·9	1	0·16	4	- 10	Weymouth ..	2·8	—	25	*	*	*	*	*	*
p Plymouth	116	54	9th	32	3rd	46·1	37·6	41·7	- 1·0	2	0·56	14	- 6	Plymouth ..	3·1	- 0·6	28	1	29	40·8	-2·7	45·8	*
a Falmouth	167	53	9th	30	3, 4	46·3	36·4	41·2	- 1·9	2	0·48	12	- 13	Falmouth ..	2·7	- 1·1	24	1	25	44·2	*	47·5	*
9. IRELAND, N.																							
a, West .. a Malin Head	208	47	9th	28	4th	42·7	32·7	37·6	- 3·1	0	0·00	0	- 14	Malin Head ..	2·7	—	26	*	*	*	*	*	*
a Blacksod Point ..	327	48	9th	31	4th	45·6	35·0	39·2	- 2·9	1	0·20	5	- 20	Markree Castle	2·2	- 0·9	21	6	16	40·5	- 2·6	44·5	+0·5
p Markree Castle ..	122	50	9th	24	3rd	44·6	32·4	38·3	- 2·1	1	0·06	2	- 19										
b, East .. p Armagh	196	48	9th	27	4th	42·4	33·4	37·8	- 2·6	1	0·07	2	- 12	Armagh	1·1	- 1·9	11	3	17	39·6	- 1·8	43·6	+0·5
a Donaghadee	101	—	—	32	4th	—	35 7	—	—	1	0·04	1	- 13										
10. IRELAND, S.																							
p Dublin, City	47	49	9th	33	4th	44·3	37·3	40·7	- 1·7	2	0·03	1	- 11	Trinity Coll. ..	*	*	*	3	24	42·0	-0·5	45·5	+1·4
a Birr Castle	175	49	9th	23	3rd	44·3	30·9	37·4	- 3·2	2	0·16	4	- 11	Phœnix Park ..	0·9	- 2·9	8	3	20	*	*	*	*
a Kilkenny	212	49	9th	30	3, 4	44·6	34·6	39·5	- 1·6	3	0·29	7	- 8	Dublin City ..	*	*	*	1	29	*	*	*	*
a Waterford	20	50	9th	31	4th	145·0	36·1	40·4	- 1·9	3	0·28	7	- 10	Birr Castle ..	0·5	- 2·9	5	5	17	*	*	*	*
p Seskin, Carrick-on-Suir	541	46	4th	28	3rd	42·6	33·9	38·1	—	4	0·33	8	—	Seskin	0·5	—	5	4	19	*	*	*	*
a Cahir	199	48	9	27	3	454	347	384	-3·0	5	0.38	10	—										
a Foynes	50	52	9th	23	4th	45·1	?31·7	38·2	- 4·2	3	0·50	13	- 6										
a Cahirciveen (Val. Obs.)	30	52	9th	28	3rd	47·7	35·6	41·5	- 2·3	3	0·55	14	- 15	Cahirciveen ..	3·4	- 0·4	31	3	25	*	*	*	*
a Killarney	174	52	8th	23	3rd	46·9	33·4	40·0	- 2·8	4	0·53	13	- 17	Ballinacurra ..	1·5	- 2·8	14	*	*	*	*	*	*
a Roche's Point	32	47	4, 7, 9	30	4th	45·0	36·1	40·4	- 2·7	7	1·19	30	+ 11										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	9th	34	3rd	47·4	39·0	43·1	- 1·9	2	0·16	4	- 14	Scilly	4·0	+ 0·3	36	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	55	9th	33	3, 4	47·3	35·4	41·2	- 2·5	4	0·69	17	- 1	St. Heliers ..	4·8	+ 0·9	43	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	56	9th	35	3, 4	47·4	37·9	42 5	- 1·7	5	0·43	11	- 8	Guernsey† ..	3·7	- 0·2	33	2	29	42·5	-2·1	45·7	0·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 9th, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	7, 8	33	91	37	7	0	124	13	7	19	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	14	111	28	15	124	7	7	15	15	8	18	20
Aberdeen	153	105	52	—	—	—	—	81	68	19	0	135	10	7	19	16	8	20	40
Edinburgh	485	39	31	—	—	9	1	70	94	3	0	263	14	9	24	21	9	23	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	6, 7	11	72	60	22	3	101	13	7	18	21	7	18	55
Paisley	188	81	52	—	—	—	—	39	86	43	0	101	8	6	12	19	7	21	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	20	107	41	0	135	8	7	13	13	7	9	40
South Shields	72	61	12	—	—	7	1	92	61	14	0	124	11	7	19	15	7	19	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	3	4	3 to 8	46	64	44	10	0	56	18	3	2	—	—	—	—
Gorleston	52	42	‡	—	—	3, 4, 7, 8	23	91	43	11	0	56	15	3	2	20	3	4	15
Shoeburyness	103	90	‡	—	—	3, 5 to 8	22	89	47	10	0	56	16	3	4	22	3	3	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	78	70	20	0	23	10	3	4	17	3	5	25
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	62	106	0	0	—	9	3	5	20	3	4	50
Brighton	261	53	6	—	—	—	—	84	78	6	0	—	11	3	7	19	3	2	15
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	3	8	94	44	18	4	45	12	3	4	18	3	4	25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	67	73	28	0	67	9	5	11	16	3	9	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	20	84	56	8	90	9	6	9	15	6	10	50
Fleetwood (Cup Anr.) ..	109	44	—	—	—	6	5	73	89	1	0	90	13	6	11	—	—	—	—
Southport	80	62	48	—	—	5 to 7	20	84	63	1	0	79	15	6	10	21	6	9	55
Holyhead	60	40	‡	—	—	3, 5 to 8	36	80	38	14	0	79	17	6	9	22	6	9	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	5 to 8	47	70	44	7	0	113	16	6	9	21	6	8	30
Plymouth	185	88	2	—	—	6	3	48	107	10	0	—	13	6	10	26	6	9	20
Lyme Regis	556	61	‡	—	—	3, 5, 6	14	62	61	31	0	—	14	3	1	20	3	0	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	5, 6	27	79	46	16	0	90	17	6	20	—	—	—	—
Quilty	100	40	‡	—	—	6, 7	10	105	36	7	10	—	13	6	15	20	6	13	50
Cahirciveen (Val. Obs.)	98	41	‡	—	—	6	2	88	66	12	0	113	12	6	18	19	6	18	15
Weaver Pt.	160	30	‡	—	—	6, 7	23	73	41	31	0	—	15	6	14	23	6	13	55
11. ENGLISH CHANNEL.																			
Scilly	150	32	†	—	—	6	1	94	58	15	0	135	11	6	13	17	6	7	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s [Vide Guide to Tables of the N.W.R.] * Above tops of trees.
‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TENTH WEEK of 1918—March 3rd to March 9th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Temperature of the Air. Means of. Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	20	79·2	73·2	76·1	− 0·4	3	− 5	33	− 1	2	− 3	0·24	6	− 23	3·8	+1·1	35	1024
Eastern.																			
1. SCOTLAND, EAST ...	47	9	77·3	72·2	74·7	− 1·9	0	− 10	48	+ 10	4	− 1	0·24	6	− 10	1·5	−1·7	13	1025
2. ENGLAND, N.E.	48	26	78·1	74·3	76·1	− 1·2	0	− 14	31	+ 2	4	0	0·21	5	− 7	1·5	−1·8	14	1022
3. ENGLAND, EAST ...	54	22	79·2	73·9	76·5	− 1·0	3	− 14	29	− 1	4	0	0·19	5	− 6	3·3	0·0	30	1019
4. MIDLAND COUNTIES ...	55	22	78·8	73·3	76·0	− 1·4	1	− 16	33	+ 1	2	− 2	0·09	2	− 10	1·7	−1·3	15	1019
5. ENGLAND, S.E.	54	25	79·9	74·7	77·2	− 0·9	7	− 12	25	+ 1	2	− 2	0·12	3	− 11	3·3	−0·1	29	1017
Western.																			
6. SCOTLAND, WEST ...	51	23	78·6	73·6	76·0	− 1·4	0	− 11	32	+ 5	2	− 3	0·23	6	− 18	1·3	−1·8	12	1023
7. ENGLAND, N.W.	55	29	79·1	74·3	76·6	− 1·0	3	− 10	27	+ 2	2	− 2	0·07	2	− 15	2·5	−0·4	23	1020
8. ENGLAND, S.W.	56	27	79·9	74·4	77·1	− 1·2	7	− 11	26	+ 5	1	− 3	0·16	4	− 17	3·5	+0·1	32	1017
9. IRELAND, NORTH ...	50	23	79·4	73·5	76·4	− 1·6	4	− 12	32	+ 8	1	− 4	0·09	2	− 16	1·7	−1·4	16	1019
10. IRELAND, SOUTH ...	52	23	80·4	74·4	77·3	− 1·4	10	− 12	28	+ 8	3	− 1	0·44	11	− 9	1·6	−2·1	14	1017
11. ENGLISH CHANNEL ...	56	33	81·6	76·0	78·7	− 1·1	21	− 4	13	+ 4	4	− 1	0·43	11	− 8	4·2	+0·3	38	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, March 3rd to March 9th, 1918.

0. SCOTLAND, NORTH ...	50	20	79·2	73·2	76·1	− 0·4	3	− 5	33	− 1	2	− 3	0·24	6	− 23	3·8	+1·1	35	1024
Eastern.																			
1. SCOTLAND, EAST ...	47	9	77·3	72·2	74·7	− 1·9	0	− 10	48	+ 10	4	− 1	0·24	6	− 10	1·5	−1·7	13	1025
2. ENGLAND, N.E.	48	26	78·1	74·3	76·1	− 1·2	0	− 14	31	+ 2	4	0	0·21	5	− 7	1·5	−1·8	14	1022
3. ENGLAND, EAST ...	54	22	79·2	73·9	76·5	− 1·0	3	− 14	29	− 1	4	0	0·19	5	− 6	3·3	0·0	30	1019
4. MIDLAND COUNTIES ...	55	22	78·8	73·3	76·0	− 1·4	1	− 16	33	+ 1	2	− 2	0·09	2	− 10	1·7	−1·3	15	1019
5. ENGLAND, S.E.	54	25	79·9	74·7	77·2	− 0·9	7	− 12	25	+ 1	2	− 2	0·12	3	− 11	3·3	−0·1	29	1017
Western.																			
6. SCOTLAND, WEST ...	51	23	78·6	73·6	76·0	− 1·4	0	− 11	32	+ 5	2	− 3	0·23	6	− 18	1·3	−1·8	12	1023
7. ENGLAND, N.W.	55	29	79·1	74·3	76·6	− 1·0	3	− 10	27	+ 2	2	− 2	0·07	2	− 15	2·5	−0·4	23	1020
8. ENGLAND, S.W.	56	27	79·9	74·4	77·1	− 1·2	7	− 11	26	+ 5	1	− 3	0·16	4	− 17	3·5	+0·1	32	1017
9. IRELAND, NORTH ...	50	23	79·4	73·5	76·4	− 1·6	4	− 12	32	+ 8	1	− 4	0·09	2	− 16	1·7	−1·4	16	1019
10. IRELAND, SOUTH ...	52	23	80·4	74·4	77·3	− 1·4	10	− 12	28	+ 8	3	− 1	0·44	11	− 9	1·6	−2·1	14	1017
11. ENGLISH CHANNEL ...	56	33	81·6	76·0	78·7	− 1·1	21	− 4	13	+ 4	4	− 1	0·43	11	− 8	4·2	+0·3	38	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 10 Weeks, December 30th, 1917, to March 9th, 1918.

0. SCOTLAND, NORTH ...	58	5	79·2	73·8	76·5	+ 0·1	97	+ 30	371	+ 17	54	+ 3	13·58	344	+ 40	1·3	−0·2	16	1011
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	78·9	73·3	76·1	+ 0·1	86	+ 13	404	− 8	44	+ 3	6·00	152	+ 9	1·7	−0·4	19	1013
2. ENGLAND, N.E.	58	9	79·7	74·6	77·2	+ 0·5	110	+ 14	293	− 41	39	+ 1	4·04	101	0	1·9	−0·2	22	1016
3. ENGLAND, EAST ...	60	14	80·2	74·4	77·3	+ 0·6	125	+ 17	292	− 58	37	− 2	3·72	95	− 5	2·5	+0·2	27	1018
4. MIDLAND COUNTIES ...	58	12	80·3	74·7	77·6	+ 0·9	139	+ 21	284	− 84	35	− 4	4·25	108	− 10	1·8	−0·2	20	1018
5. ENGLAND, S.E.	57	15	80·5	75·2	77·9	+ 0·5	143	+ 7	259	− 25	34	− 4	4·79	121	− 7	2·5	+0·2	27	1019
Western.																			
6. SCOTLAND, WEST ...	55	5	79·8	75·1	77·5	+ 0·4	115	+ 18	251	− 35	49	+ 2	11·29	287	+ 38	1·4	−0·4	16	1014
7. ENGLAND, N.W.	58	12	80·6	75·9	78·3	+ 1·0	164	+ 59	190	− 85	40	− 1	6·42	164	− 1	1·7	−0·3	19	1016
8. ENGLAND, S.W.	59	16	80·9	76·4	78·7	+ 0·7	195	+ 33	186	− 36	37	− 5	7·28	186	− 12	2·1	−0·2	23	1018
9. IRELAND, NORTH ...	57	18	80·9	76·0	78·4	+ 0·5	132	+ 42	201	− 38	48	− 1	7·67	194	+ 4	1·3	−0·7	15	1013
10. IRELAND, SOUTH ...	58	19	81·7	76·8	79·3	+ 0·6	252	+ 48	167	− 21	48	+ 3	9·39	239	+ 27	1·5	−0·8	16	1015
11. ENGLISH CHANNEL ...	56	26	81·9	77·8	79·9	+ 0·1	263	+ 21	85	− 2	41	− 6	4·32	109	− 60	3·0	+0·2	32	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : March 14th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
AKS 1915 22.3.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 11.

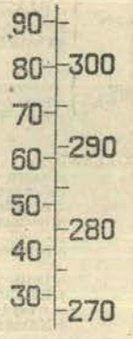
THE ELEVENTH WEEK OF 1918.
SUNDAY, MARCH 10TH, TO SATURDAY, MARCH 16TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week over the British Isles as a whole was warm and dry, and in some districts sunny. At the beginning of the period, under the influence of a South-Westerly current of wind, some high temperatures were recorded at inland stations over eastern and south-eastern England, 290 a. being registered at Norwich, Geldeston, and Cambridge on the 11th or 12th; the values at coast stations were, however, much lower, the maxima at Clacton on the 10th and 11th being only 277 a. and 283 a. respectively. As the week progressed a high pressure over southern Scandinavia spread westwards and the wind became Easterly (between North-East and South-East) over the United Kingdom generally, with a consequent decrease of temperature. The maxima at the end of the week were about 10 a. lower than those at the beginning. Minima below freezing point were registered in all districts except the Channel Islands, the lowest being 267 a. at Rothamsted on the 10th, when the grass thermometer went down to 266 a. Rain fell on the first two days in the western districts, and slight snow at some north-eastern stations later, but precipitation was everywhere small. Bright sunshine was abundant in England South-East and Scotland North, where the excess was 2 hr. and 1 hr. per day respectively. The largest deficiencies, about 1½ hr. per day, were in England North-East, Midland Counties, and England South-West.

Solar halos were observed at Oxford on the 10th and 14th and an auroral glow at Aberdeen on the 12th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	4·8	15	4·4	13	2·8	7	3·3	11	5·2	17	3·9	13	4·1	15	3·0
North	0	—	9	−1·4	11	3·3	14	2·4	9	2·0	6	3·6	5	1·3	7	1·6
West	11	3·3	17	4·8	5	1·8	8	1·1	14	2·1	9	2·3	6	3·5	7	3·1
East	14	4·6	11	3·9	16	4·8	13	3·8	12	6·6	18	4·8	16	3·9	15	3·2
Calm	1	—	0	—	1	—	7	—	2	—	0	—	3	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Very light	Light	Light	Very light	Light	Light	Light	Light	Light	Light
	Sunshine ...	Abundant	Moderate	Scanty	Moderate	Scanty	Abundant	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 2 weeks from Mar. 3rd, 1918	Warmth ...	1, 1, 0	0, 1, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0	1, 1, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 2, 0
	Rainfall ...	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1
	Sunshine ...	2, 0, 0	0, 1, 1	0, 0, 2	0, 2, 0	0, 0, 2	1, 1, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(16593—19.) Wt. 153—442. 450 3/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	48	12th	35	10th	44·9	39·7	42·2	+ 3·8	3	0·31	8	- 11										
p Deerness	160	48	12th	37	11, 13, 16	44·6	38·7	41·6	—	2	0·24	6	- 11	Deerness	3·2	+ 0·1	28	•	•	•	•	•	•
a Stornoway	51	51	14th	37	10, 11	48·4	38·6	43·4	+ 3·8	4	0·20	5	- 19	Stornoway	4·9	+ 1·7	43	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	48	11, 13, 14	39	11, 16	46·6	41·7	41·1	—	3	0·09	2	—	Castlebay	4·0	—	35	•	•	•	•	•	•
b, Mainland. a Wick	81	52	12th	35	10, 11, 13	46·7	37·0	41·7	+ 2·6	1	0·12	3	- 11										
p Glenearron	500	57	11th	28	16th	48·6	34·7	41·4	+ 3·3	4	0·30	8	- 37										
p Fort Augustus..	68	54	14th	30	14th	49·3	35·3	42·1	+ 2·7	2	0·31	8	- 14	Fort Augustus..	4·3	+ 1·8	38	•	•	•	•	•	•
p Fort William	171	53	11th	31	14th	48·4	36·0	42·0	+ 1·7	3	0·49	12	- 27										
1. SCOTLAND, E.																							
a Nairn	82	55	11th	29	16th	49·3	33·1	41·0	+ 1·7	2	0·12	3	- 8	Nairn	4·7	—	41	•	•	•	•	•	•
p Gordon Castle	101	56	11th	35	14–16	50·7	36·1	43·2	+ 3·3	1	0·02	1	- 12	Gordon Castle..	4·1	—	36	•	•	•	•	•	•
a Aberdeen	46	54	12th	32	13–15	48·4	34·7	41·4	+ 1·5	3	0·04	1	- 13	Aberdeen	2·2	- 1·6	19	3	24	•	•	40·6	+0·6
a Balmoral	930	52	14th	26	13, 14	45·4	31·0	38·0	+ 2·2	2	0·04	1	- 16	Balmoral	•	•	•	3	22	•	•	•	•
p Crieff	132	53	12th	29	13th	47·3	32·0	39·4	- 0·5	3	0·07	2	- 16	Crathes	3·1	- 0·5	27	3	22	39·0	+0·9	39·5	+0·7
a Dundee	244	54	13th	30	13th	48·1	33·7	40·7	+ 1·1	2	0·08	2	- 10	Dundee	2·9	—	25	4	22	38·6	•	•	•
a Leith	30	53	11th	32	14th	47·6	35·4	41·3	+ 0·2	3	0·29	7	- 3	Leith	•	•	•	3	26	•	•	•	•
p Edinburgh	441	54	11th	31	16th	47·3	36·9	42·0	+ 2·3	3	0·06	2	- 8	Edinburgh	3·0	- 0·7	26	3	24	•	•	•	•
a West Linton	769	51	13th	24	14th	45·7	31·0	38·1	+ 1·4	2	0·06	2	—	West Linton	2·5	—	22	5	19	•	•	•	•
p Marchmont	198	53	13th	31	15th	46·9	34·0	40·3	+ 1·5	1	0·02	0·4	- 15	Marchmont	1·9	- 1·6	17	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	53	14th	29	14th	48·6	34·5	41·3	—	2	0·42	11	—	Ford (Argyll)	•	•	•	3	23	40·6	•	41·0	—
p Glasgow Observatory	180	51	11th	31	14th	47·1	36·6	41·7	+ 1·1	3	0·21	5	- 9	Glasgow	2·4	- 0·3	21	2	26	•	•	•	•
p Rothesay	200	50	12, 14	35	13, 15, 16	46·3	36·9	41·5	+ 0·3	2	0·19	5	- 14	Rothesay	4·4	—	39	2	28	40·4	•	41·8	-0·5
a Kilmarnock	90	57	14th	29	14th	51·6	35·4	43·3	+ 3·2	2	0·22	6	- 8	Kilmarnock	4·8	—	42	•	•	40·8	•	41·9	•
a Colmonell	170	55	14th	29	13th	50·3	35·0	42·46	+ 1·6	2	0·12	3	- 15	Colmonell	•	•	•	4	25	•	•	•	•
p Cally, Gatehouse	120	52	13/14th	28	13th	49·1	34·7	42·0	+ 1·5	2	0·20	5	- 10	Dumfries	2·9	—	25	2	28	40·3	-0·1	41·1	-0·5
f Dumfries	160	52	13th	30	14th	48·3	35·0	41·5	+ 0·8	2	0·20	5	- 15	Eskdalemuir	2·8	—	25	3	19	•	•	•	•
a Eskdalemuir	794	51	13th	24	13, 14	45·6	29·9	37·5	—	2	0·44	11	—										
b, I. OF MAN p Douglas	277	50	12, 13	34	13th	46·4	38·0	42·1	+ 0·5	2	0·22	6	- 9	Douglas	3·6	- 0·6	31	1	28	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	11th	28	14th	47·7	34·7	41·0	+ 0·7	3	0·09	2	- 10										
p Tynemouth	71	54	11th	32	14, 15	46·7	35·6	41·0	+ 0·3	1	0·04	1	- 8	Cockle Park	2·3	- 1·9	20	4	21	38·8	+0·7	40·3	+0·3
p Durham	336	55	11th	28	14th	47·8	35·1	41·4	+ 0·3	3	0·12	3	- 6	Durham	2·5	- 1·2	22	4	21	•	•	•	•
a North p Rounton	249	57	11th	25	14th	47·7	34·6	41·0	+ 1·1	4	0·13	3	- 5	Rounton	•	•	•	5	24	39·7	•	•	•
a West Witton	805	55	11th	27	14th	46·6	34·3	40·3	—	3	0·04	1	—	West Witton	•	•	•	5	23	38·8	•	39·8	•
p Scarborough	100	54	11, 12	37	10th	50·3	40·7	45·4	+ 3·8	2	0·06	2	- 7	Scarborough†	2·6	- 1·4	22	•	•	•	•	42·5	•
p York	56	59	11th	33	10, 14	49·9	36·7	43·1	+ 1·6	1	0·04	1	- 7	York	2·3	- 1·0	20	•	•	40·7	+0·4	42·0	+0·5
b, South a Spurn Head	26	55	11th	32	10th	46·9	36·6	41·6	+ 0·5	0	0·00	0	- 7	Spurn Head	3·4	—	29	•	•	•	•	•	•
a Lincoln	58	60	11th	30	10th	50·6	36·4	43·3	+ 1·8	0	0·00	0	- 8	Lincoln	•	•	•	3	24	40·8	+1·5	42·1	+1·0
a Fulbeck	180	59	11th	24	16th	49·9	34·3	41·9	+ 0·5	2	0·03	1	- 8	Rauceby	2·7	- 1·4	23	•	•	41·7	+0·1	42·9	0·0
														Skegness	2·9	- 1·5	25	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	60	11, 12	27	10th	49·3	34·7	41·8	+ 0·8	2	0·03	1	- 6	Cromer	2·3	- 1·8	20	•	•	•	•	•	•
a Little Massingham	280	59	11th	27	10th	48·4	33·6	40·8	- 0·2	3	0·04	1	- 9	Lit. Massingham	2·8	- 0·9	24	•	•	•	•	•	•
a Yarmouth	13	54	11th	30	10th	45·1	35·6	40·2	- 0·3	1	0·08	2	- 6	Yarmouth	3·1	—	27	0	32	41·4	-0·2	43·9	+0·3
a Norwich	93	62	12th	30	10th	51·0	35·3	42·9	+ 1·4	1	0·05	1	- 8	Norwich	3·8	—	33	5	25	40·0	•	•	•
a Geldeston	37	64	12th	26	10th	51·7	33·1	42·1	+ 0·8	1	0·01	1	- 7	Geldeston	4·2	+ 0·2	35	•	•	•	•	•	•
p Cambridge	41	62	11th	26	10th	52·9	35·1	43·7	+ 2·1	0	0·00	0	- 7	Cambridge	3·4	- 0·5	29	5	19	41·9	+0·3	43·0	-0·2
a Clacton-on-Sea	54	53	12th	31	10, 16	46·7	36·0	41·2	+ 0·3	0	0·00	0·1	- 7	Clacton	6·4	+ 2·2	55	3	26	41·8	-0·5	43·4	-0·9
a Rothamsted	424	59	11, 12	22	10th	52·0	33·6	42·5	+ 1·7	1	0·01	0	- 9	Rothamsted	4·5	+ 0·8	39	4	19	40·4	•	•	•
p Tottenham	51	61	11, 12	35	10, 11, 16	53·6	37·9	45·5	—	1	0·01	0	—	Tottenham	4·3	—	37	2	29	•	•	43·2	-0·6
4. MIDLAND COUNTIES.																							
a North a Harrogate	479	56	11th	30	10, 14	46·9	34·9	40·7	+ 0·7	2	0·09	2	- 9	Harrogate	3·0	- 0·8	26	4	23	39·7	+0·3	40·7	+0·2
p Sheffield	429	58	11th	31	14th	48·4	37·3	42·7	—	1	0·02	1	—	Sheffield	1·3	- 2·0	11	3	28	40·0	+0·5	41·3	+0·3
p Buxton	987	54	11th	29	14th	46·4	34·9	40·5	—	3	0·16	4	- 16	Buxton	2·1	—	18	4	26	38·8	-0·4	40·5	-0·5
a Bawtry	65	60	11th	29	10th	50·7	35·7	43·0	+ 1·4	1	0·01	0	- 8	Worksop	2·6	- 0·7	22	4	20	41·3	•	41·9	•
a Nottingham	82	59	11th	26	10th	50·1	34·3	42·0	+ 0·6	1	0·01	0·3	- 8	Nottingham	2·3	- 1·1	20	3	24	40·3	+1·0	40·5	+0·2
b, East p Birmingham, Edgbsn.	535	56	11th	33	16th	48·4	37·6	42·8	+ 1·6	1	0·10	3	- 6	Birmingham	1·1	- 1·6	9	3	23	41·3	+0·8	43·6	+0·2
a Raunds	203	62	11, 12	26	10th	53·3	33·6	43·2	+ 1·9	1	0·02	1	- 7	Raunds	3·2	—	28	6	16	41·4	•	43·5	•
p Oxford	208	60	10th	28	10th	53·1	36·6	44·6	+ 2·5	2	0·03	1	- 7	Oxford	2·9	- 0·7	25	3	19	•	•	•	•
a Cheadle (N. Staffs.)	646	60	12th	32	16th	51·7	36·4	43·8	+ 3·6	2	0·06	2	- 9	Cheadle	•	•	•	4	27	•	•	•	•
p Shrewsbury	191	57	10, 11	32	13th	50·4	37·3	43·7	+ 1·5	2	0·06	2	- 6	Shrewsbury	•	•	•	3	28	•	•	•	•
c, West a Hereford‡	291	58	11th	32	10, 16	49·6	37·0	43·1	+ 1·0	3	0·25	6	- 3	Malvern	1·8	—	16	1	29	41·9	•	42·4	•
a Clifton	229	57	10th	33	16th	51·4	39·1	45·1	+ 2·5	4	0·29	7	- 6	Clifton	2·1	—	18	1	30	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	58	10th	27	10, 16	51·7	36·0	43·6	+ 3·1	2	0·03	1	- 11	Worthing	7·9	+ 3·5	68	5	23	42·8	-0·2	44·1	-0·4
p Salisbury (Wilton)	180	57	10, 13	24	16th	54·0	32·9	43·1	+ 1·8	2	0·09	2	- 10	Marlborough	2·2	- 1·0	19	2	18	43·0	•	41·2	•
a Wisley, Surrey	150	61	12th	25	10th	54·1	33·6	43·8	+ 1·9	1	0·03	1	- 8	Salisbury	•	•	•	2	20	43·3	•	•	•
a Tunbridge Wells	354	60	11, 12	24	16th	53·3	33·6	43·2	+ 1·8	1	0·04	0	- 12	Wisley	5·8	+ 2·2	50	7	13	41·8	+0·2	42·8	-0·4
a Margate	51	63	12th	33	10th	50·7	36·9	43·6	+ 1·3	0	0·00	0	- 7	Tunbridge Wells	6·9	+ 3·0	59	6	17	42·5	+2·9	43·4	•
														Margate	5·9	+ 2·0	51	2	23	42·3	-0·2	43·5	-0·1
a Dungeness	21	52	12th	27	10, 16	47·1	34·0	40·4	- 1·1	1	0·02	1	- 7	Folkestone	7·1	—	61	•	•	•	•	43·0	•
p St. Leonards	178	56	13th	32	16th	49·1	37·3	43·0	+ 0·8	2	0·05	1	- 9	St. Leonards	7·7	+ 3·5	66	3	27	41·9	•	43·0	•
p Southampton	64	58	12, 13	30	10, 16	53·9	36·9	45·2	+ 1·8	1	0·04	1	- 10	Southampton	5·2	+ 1·3	45	6	19	•	•	•	•
a Ventnor	59	55	10th	34	16th	51·1	39·3	45·0	+ 1·2	2	0·03	1	- 9	Ventnor	5·9	+ 1·4	51	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	60	12th	30	10, 16	52·7	36·3	44·3	+ 2·1	1	0·02	1	- 7	Richmond	4·7	+ 1·4	41	4	20	41·0	-0·8	42·8	-1·0
a Westminster	27	62	12th	—	—	54·4	—	—	—	1	0·02	1	- 7	Westminster	3·7	+ 1·4	32	3	29	•	•	•	•
ag Greenwich	149	63	12th	29	10, 16	55·1	35·7	45·3	+ 2·5	1	0·01	0	- 9	Greenwich	5·7	+ 2·6	49	5	17	•	•	•	•
a Hampstead	450	60	12th	27	10th	52·0	35·6	43·6	—	1	0·02	1	—	Hampstead	5·4	—	47	4	24	•	•	•	•
ag Camden Square	110	62	12th	30	16th	55·0	36·3	45·4	+ 2·8	1	0·02	1	- 8	Camden Square	3·3	+ 0·5	28	4	26	•	•	•	•
7. a, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	50	11th	30	15th	46·0	36·1	40·9	+ 0·5	2	0·16	4	- 12	Aspatria	3·4	- 0·2	29	4	26	40·5	-1·3	41·7	-1·7
p Newton Rigg	559	54	13th	28	14th	46·6	34·1	40·2	+ 0·7	2	0·10	3	- 12	Newton Rigg	2·6	- 0·8	22	5	21	40·2	+0·4	40·8	+0·3
p Stonyhurst	375	55	11th	31	13th	48·6	36·6	42·4	+ 2·0	2	0·06	1	- 18	Stonyhurst	2·0	- 1·2	17	3	27	•	•	•	•
p Blackpool	66	55	11th	33	13th	48·3	36·7	42·3	+ 1·1	2	0·11	3	- 9	Blackpool	2·6	- 1·4	22	4	21	42·1	•	43·9	•
a Southport	37	56	11th	31	14th	49·0	36·0	42·3	+ 0·8	2	0·06	2	- 10	Southport	2·5	- 1·3	22	3	22	40·3	-0·5	42·0	+0·2
														Hoylake	1·3	- 2·2	11	•	•	•	•	•	•
a Liverpool (Bidston)	188	56	11th	34	10, 16	47·9	37·0	42·3	+ 0·3	3	0·07	2	- 8	Liverpool	1·3	—	11	5	29	•	•	•	•
a Hawarden Bridge	22	56	11th	33	14th	48·7	38·7	43·6	+ 0·9	0	0·00	0	- 8	Manchester (City)	2·1	- 0·4	18	0	31	40·9	+1·0	43·4	+0·7
p Manchester (Whit. Pk.)	126	59	11th	32	14th	49·3	37·9	43·4	+ 1·1	1	0·02	1	- 11	Whitworth Park	2·1	- 0·1	18	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	53	10, 11	30	13th	49·1	38·3	43·5	+ 0·5	1	0·03	1	- 10	Llandudno	2·7	- 1·1	23	•	•	•	•	•	•
a Holyhead	15	52	13th	36	13-15	47·6	38·4	42·9	+ 0·2	2	0·47	12	- 2	Holyhead	3·5	—	30	3	24	•	•	•	•
a Beddgelert	309	51	13th	30	16th	47·1	36·3	41·5	—	3	0·75	19	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
2. a. SOUTH WALES																							
a Aberystwyth	59	54	11, 13	31	16th	49·6	38·9	44·1	—	3	0·17	4	—	Aberystwyth ..	2·8	- 0·8	24	•	•	•	•	•	•
a Rhayader	757	55	11th	32	13th	47·4	35·6	41·3	—	3	0·08	2	—	Rhayader ..	2·1	—	18	5	26	•	•	•	•
a St. Ann's Head ..	149	52	13th	34	16th	47·7	40 0	43·7	+ 0·9	2	0·21	5	- 8	Pembroke ..	2·9	- 1·1	25	•	•	•	•	•	•
p Cardiff	202	58	10th	31	16th	49·9	38·3	43·9	+ 2·0	4	0 45	11	- 4	Cardiff	2·9	—	25	2	24	42·5	+0·7	44·0	+0·6
b. ENGLAND, S.W.																							
a Bath	66	58	10, 11	31	10th	52·4	38·1	45·0	+ 2·8	3	0·10	3	- 8	Bath	•	•	•	•	•	43·5	+1·8	44·5	+1·0
a Shaftesbury	722	—	—	28	16th	—	36·9	—	—	2	0·06	2	- 8	Shaftesbury ..	•	•	•	•	•	41·5	•	43·0	•
a Arlington	613	56	10th	28	16th	48·9	37·8	43·2	+ 2·0	2	0·33	8	- 11										
a Hartland Quay ..	100	53	11th	33	16th	49·3	40·3	44·7	—	2	0·24	6	—										
a Newquay	190	55	10th	32	16th	50·0	40·0	44·9	+ 0·8	1	0 13	3	- 9	Newquay ..	2·9	- 1·2	25	2	23	46·2	•	46·4	•
a Cullompton	202	60	10th	29	10, 16	52·3	37·3	44·6	+ 2·1	3	0·29	7	- 6	Cullompton ..	2·5	- 1·2	22	4	20	44·0	•	•	•
a Portland Bill	19	52	10th	35	16th	47·7	40·7	44·1	+ 0·8	1	0·04	1	- 9	Weymouth ..	3·8	—	33	•	•	•	•	•	•
p Plymouth	116	55	10th	33	16th	50·3	41·0	45·5	+ 1·6	3	0·36	9	- 5	Plymouth ..	2·3	- 1·8	20	1	26	44·6	+0 6	45·6	•
a Falmouth	167	55	10th	35	15, 16	50·4	40·9	45·5	+ 1·3	2	0·13	3	- 14	Falmouth ..	2·3	- 1·9	20	1	30	47·7	•	47·5	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	53	11th	33	16th	48·1	37·0	42·4	+ 0·3	2	0·16	4	- 8	Malin Head ..	3·3	—	29	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	50	14th	37	10th	46·9	39·3	43·0	- 0 5	3	0·39	10	- 10	Markree Castle	2·8	- 0·3	24	4	22	42·7	-0·5	44·0	-0·3
{ *p* Markree Castle ..	122	55	11th	28	13th	49·9	33·7	41·6	- 0·2	3	0·30	8	- 9										
b, East .. { *p* Armagh	196	54	11th	29	14th	49·4	35·4	42·2	+ 0·3	3	0·15	4	- 8	Armagh	3·8	+ 0·7	33	3	22	42·1	+0·4	43·4	+0·1
{ *a* Donaghadee	101	52	12th	35	13, 14	47·9	37·3	42·4	+ 0·1	3	0·09	2	- 9										
10. IRELAND, S.																							
p Dublin, City	47	57	11th	35	13th	49·4	39·9	44·5	+ 0·8	4	0·21	5	- 12	Trinity Coll. ..	•	•	•	3	23	44·0	+1·2	45·3	+1·0
a Birr Castle	175	54	13th	29	14th	49·4	35·4	42 2	+ 0·3	2	0 22	6	- 6	Phœnix Park ..	3·6	+ 0·1	31	4	17	•	•	•	•
a Kilkenny	212	52	11-13	30	13th	48 7	36·6	42·5	0·0	5	0·29	7	- 4	Dublin City ..	•	•	•	1	30	•	•	•	•
a Waterford	20	54	12, 13	33	13th	50·0	38·6	44·1	+ 0·4	4	0·41	10	- 3	Birr Castle ..	3·3	+ 0·2	28	3	21	•	•	•	•
p Seskin, Carrick-on-Suir	541	52	13th	33	13th	47·1	37·0	41·9	—	4	0·50	13	—	Seskin	2·8	—	24	3	26	•	•	•	•
a Cahir	198	55	10th	28	13th	49·4	36·7	42·9	+ 0·1	5	0·12	3	—										
a Foynes	50	57	11th	33	13th	50·3	38·3	44·1	+ 0·3	3	0·41	10	- 4										
a Cahirciveen (Val. Obs.)	30	54	13th	32	13, 14	51·0	38·9	44·8	- 0 2	2	0·47	12	- 10	Cahirciveen ..	4·9	+ 1·4	42	1	29	•	•	•	•
a Killarney	174	58	13th	31	13th	53·4	38·4	45·7	+ 1·6	3	0·23	6	- 17	Ballinacurra ..	3·3	- 0·6	29	•	•	•	•	•	•
a Roche's Point	32	53	10th	37	12-15	49·4	39·6	44·4	+ 0 1	5	0·29	7	- 7										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	10, 12	39	15, 16	50·1	43·0	46·5	+ 0·6	2	0·16	4	- 7	Scilly	2·4	- 2·3	21	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	13th	36	10th	53·3	39·9	46·4	+ 1·5	0	0·00	0	- 11	St. Heliers ..	5·6	+ 0·7	48	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	61	10th	41	16th	53·4	42·9	48·0	+ 2·6	0	0·00	0	- 12	Guernsey† ..	4·6	- 0·4	40	0	33	45·7	+0·7	45·8	-0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 16th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	9, 10, 15	22	77	64	5	0	157	15	9	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	97	48	18	214	6	11	19	14	11	19	0
Aberdeen	153	105	52	—	—	—	—	25	94	49	0	180	9	10	6	15	10	6	20
Edinburgh	485	39	31	—	—	10, 11	15	50	101	2	0	191	17	11	21	24	11	20	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	32	—	—	10 to 12	15	33	63	57	0	203	15	11	18	21	11	18	25
Paisley	188	81	52	—	—	—	—	21	83	61	0	214	9	10	5	19	10	1	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	15	69	79	5	124	6	15	19	12	11	15	10
South Shields	72	61	12	—	—	—	—	24	86	58	0	135	9	15	11	14	15	17	20
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	59	99	10	0	90	13	15	6	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	66	92	10	0	90	11	15	5	13	15	14	50
Shoeburyness	103	90	‡	—	—	—	—	39	102	27	0	67	10	14	10	14	14	10	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	32	118	18	0	23	9	11	15	15	11	14	15
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	42	126	0	0	—	8	15	13	14	15	16	25
Brighton	261	53	6	—	—	—	—	48	85	35	0	—	10	14	19	17	14	19	55
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	69	90	9	0	90	10	15	15	16	15	15	25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	22	87	59	0	79	9	15	16	15	15	12	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	10	79	79	0	90	9	15	16	15	15	17	35
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	47	117	4	0	90	10	15	16	—	—	—	—
Southport	80	62	48	—	—	—	—	60	104	4	0	101	11	15	15	16	15	8	20
Holyhead	60	40	‡	—	—	11, 15	22	68	63	15	0	90	14	15	8	19	15	15	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	15	2	73	75	18	0	90	12	15	23	16	15	23	0
Plymouth	185	88	2	—	—	—	—	15	105	48	0	—	8	15	14	15	15	14	10
Lyme Regis	556	61	‡	—	—	—	—	20	71	77	0	—	8	13	10	12	13	9	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	15	2	52	91	23	0	90	12	15	10	—	—	—	—
Quilty	100	40	‡	—	—	11	1	50	55	62	0	—	13	11	12	18	11	11	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	11	4	40	78	46	0	180	13	11	12	20	11	12	15
Weaver Pt.	160	30	‡	—	—	11	5	47	68	48	0	—	13	11	16	18	11	17	40
11. ENGLISH CHANNEL																			
Scilly	150	32	†	—	—	—	—	41	112	15	0	113	9	15	23	13	15	22	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4 0 to 1·5 m/s [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1918—March 10th to March 16th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	57	28	81·7	75·7	78·6	+ 1·7	22	+ 13	14	− 17	3	− 2	0·29	7	− 19	4·1	+1·2	36	1018
Eastern.																			
1. SCOTLAND, EAST ..	56	24	81·7	73·8	77·6	+ 0·6	16	+ 3	32	− 3	2	− 2	0·09	2	− 12	3·0	−0·6	26	1020
2. ENGLAND, N.E.	60	24	82·2	75·3	78·7	+ 0·8	26	+ 7	17	− 10	2	− 2	0·06	1	− 8	2·6	−1·4	22	1021
3. ENGLAND, EAST ...	64	22	83·1	74·7	78·7	+ 0·6	32	+ 9	20	− 8	1	− 2	0·03	1	− 7	3·9	0·0	33	1020
4. MIDLAND COUNTIES ...	62	26	83·2	75·4	79·2	+ 1·0	32	+ 8	16	− 12	2	− 1	0·09	2	− 7	2·2	−1·3	19	1020
5. ENGLAND, S.E.	63	24	84·0	75·1	79·4	+ 0·7	37	+ 14	18	− 3	1	− 2	0·03	1	− 9	5·9	+2·1	51	1020
Western.																			
6. SCOTLAND, WEST ...	57	28	82·2	75·1	78·6	+ 0·7	18	+ 3	17	− 7	2	− 2	0·22	6	− 13	3·0	−0·4	26	1020
7. ENGLAND, N.W.	59	28	81·9	75·8	78·8	+ 0·5	23	+ 5	14	− 7	2	− 2	0·11	3	− 10	2·4	−1·0	21	1019
8. ENGLAND, S.W.	60	28	82·8	76·8	79·7	+ 0·8	28	+ 4	9	− 8	2	− 2	0·20	5	− 9	2·5	−1·3	22	1019
9. IRELAND, NORTH ...	55	28	82·2	75·4	78·7	− 0·1	26	+ 6	16	− 4	3	− 2	0·22	6	− 9	3·3	+0·2	28	1017
10. IRELAND, SOUTH ...	58	28	83·1	76·3	79·6	+ 0·2	30	+ 3	11	− 4	4	0	0·29	7	− 8	3·8	+0·4	33	1018
11. ENGLISH CHANNEL ...	61	36	84·3	78·5	81·3	+ 0·9	35	+ 4	0	− 6	1	− 3	0·05	1	− 10	4·2	−0·7	36	1018

THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, March 3rd to March 16th, 1918.

0. SCOTLAND, NORTH ..	57	20	80·5	74·5	77·4	+ 0·7	25	+ 8	47	− 18	5	− 5	0·53	13	− 42	3·9	+1·1	35	1021
Eastern.																			
1. SCOTLAND, EAST ..	56	9	79·5	73·0	76·2	− 0·6	16	− 7	80	+ 7	6	− 3	0·33	8	− 22	2·2	−1·1	20	1023
2. ENGLAND, N.E.	60	24	80·2	74·8	77·4	− 0·2	26	− 7	48	− 8	6	− 2	0·27	6	− 15	2·0	−1·7	18	1022
3. ENGLAND, EAST ...	64	22	81·2	74·3	77·6	− 0·2	35	− 5	49	− 9	5	− 2	0·22	6	− 13	3·6	0·0	32	1020
4. MIDLAND COUNTIES ...	62	22	81·0	74·4	77·6	− 0·2	33	− 8	49	− 11	4	− 3	0·18	4	− 17	1·9	−1·3	17	1020
5. ENGLAND, S.E.	63	24	82·0	74·9	78·3	− 0·1	44	+ 2	43	− 2	3	− 4	0·15	4	− 20	4·6	+1·0	41	1019
Western.																			
6. SCOTLAND, WEST ...	57	23	80·4	74·4	77·3	− 0·4	18	− 8	49	− 2	4	− 5	0·45	12	− 31	2·2	−1·0	19	1022
7. ENGLAND, N.W.	59	28	80·5	75·1	77·7	− 0·3	26	− 5	41	− 5	4	− 4	0·18	5	− 25	2·5	−0·8	22	1020
8. ENGLAND, S.W.	60	27	81·4	75·6	78·4	− 0·2	35	− 7	35	− 3	3	− 5	0·36	9	− 26	3·0	−0·6	27	1018
9. IRELAND, NORTH ...	55	23	80·8	74·5	77·6	− 0·8	30	− 6	48	+ 4	4	− 6	0·31	8	− 25	2·5	−0·5	22	1018
10. IRELAND, SOUTH ...	58	23	81·8	75·4	78·5	− 0·6	40	− 9	39	+ 4	7	− 1	0·73	18	− 17	2·7	−0·8	24	1018
11. ENGLISH CHANNEL ...	61	33	83·0	77·3	80·0	− 0·1	56	0	13	− 2	5	− 4	0·48	12	− 18	4·2	−0·2	37	1017

THE YEAR 1918.—Aggregates, &c., for the Period of 11 Weeks, December 30th, 1917, to March 16th, 1918.

0. SCOTLAND, NORTH ...	58	5	79·4	73·9	76·7	+ 0·3	119	+ 43	385	0	57	+ 1	13·87	351	+ 21	1·6	−0·1	18	1011
Eastern.																			
1. SCOTLAND, EAST ...	61	−3	79·2	73·3	76·3	+ 0·2	102	+ 16	436	− 11	46	+ 1	6·09	154	− 3	1·8	−0·4	20	1013
2. ENGLAND, N.E.	60	9	80·0	74·7	77·4	+ 0·6	136	+ 21	310	− 51	41	− 1	4·10	102	− 8	2·0	−0·3	22	1016
3. ENGLAND, EAST ...	64	14	80·4	74·4	77·4	+ 0·6	157	+ 26	319	− 66	38	− 4	3·75	96	− 12	2·6	+0·1	28	1018
4. MIDLAND COUNTIES ...	62	12	80·6	74·8	77·7	+ 0·9	171	+ 25	300	− 96	37	− 5	4·34	110	− 17	1·8	−0·4	20	1018
5. ENGLAND, S.E.	63	15	80·8	75·2	78·0	+ 0·5	180	+ 21	277	− 28	35	− 6	4·82	122	− 16	2·8	+0·4	29	1019
Western.																			
6. SCOTLAND, WEST ...	57	5	80·0	75·1	77·6	+ 0·4	133	+ 21	268	− 42	51	0	11·51	293	+ 25	1·5	−0·5	17	1015
7. ENGLAND, N.W.	59	12	80·7	75·9	78·4	+ 1·0	187	+ 64	204	− 92	42	− 3	6·53	167	− 11	1·8	−0·3	20	1016
8. ENGLAND, S.W.	60	16	81·1	76·4	78·8	+ 0·7	223	+ 37	195	− 44	39	− 7	7·48	191	− 21	2·2	−0·2	23	1018
9. IRELAND, NORTH ...	57	18	81·0	75·9	78·5	+ 0·5	208	+ 48	217	− 42	51	− 3	7·89	200	− 5	1·5	−0·6	16	1013
10. IRELAND, SOUTH ...	58	19	81·9	76·8	79·3	+ 0·6	282	+ 51	178	− 25	52	+ 3	9·68	246	+ 19	1·7	−0·7	18	1015
11. ENGLISH CHANNEL ...	61	26	82·1	77·9	80·0	+ 0·2	298	+ 25	85	− 8	42	− 9	4·37	110	− 70	3·1	+0·1	32	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics
South Kensington, S.W. 7: March 21st, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
28/3/18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 12.

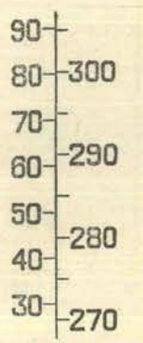
THE TWELFTH WEEK OF 1918.

SUNDAY, MARCH 17TH, TO SATURDAY, MARCH 23RD, 1918.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first day or two of the week the British Isles lay between an anticyclone over Scandinavia and an area of low pressure to the westward of Ireland, the wind being generally South-Easterly, and the weather cool. The principal rainfall of the week occurred on Tuesday or Wednesday when a small depression passed from south-west and north-east over the United Kingdom. An anticyclone from the Bay of Biscay spread over the Channel and south of England on Wednesday, and this dominated the weather till the close. The lowest temperature occurred generally on the morning of the 17th, when 269 a. was registered in the screen at Geldeston (Beccles) and 270 a. at Raunds (Northants) and Cambridge, whilst the grass minima on the same day were 263 a. at Wisley (Surrey), 265 a. at Raunds and at Rothamsted. In most parts of England the maxima showed a steady rise until Saturday, when readings of 294 a. or a little above were common in most parts of England; the value at Hodsock (Worksop), 294 a., is the highest for March since the station was inaugurated in 1880. A thick sea fog prevailed intermittently over the Channel region between the 19th and 23rd, particularly on the 22nd, and had the effect of keeping the temperature on the coast down to a very low level, while inland, under the influence of brilliant sunshine, it was about 20° warmer. It did not reach 282 a. at Plymouth or Falmouth on that day and remained as low as 279 a. or 280 a. at Brighton, St. Leonards, and Dungeness. The sunshine records for Saturday exceeded 10 hours over nearly the whole Kingdom, the largest individual measurements being 11·2 hr. at Geldeston, Wisley and Falmouth.



Temperature Scales.

Lunar halos were common between the 18th and 21st and Solar halos were observed at Oxford on the 18th, 20th and 21st, and a Mock-sun at Richmond on the 20th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	3·9	22	3·7	16	1·8	5	2·4	25	5·2	20	4·9	25	4·1	27	5·7
North	1	0·9	1	2·6	7	2·1	9	1·4	3	1·3	7	3·4	0	—	0	—
West	18	3·5	23	5·5	19	2·1	14	2·5	23	4·3	10	4·5	12	4·0	5	3·0
East	8	3·8	4	2·5	4	4·2	4	2·5	5	2·0	12	3·4	13	3·2	20	2·1
Calm	0	—	0	—	3	—	10	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Very unusual	Very unusual	Moderate
	Rainfall ...	Light	Very light	Very light	Light	Light	Light	Light	Light	Light	Light	Light	Moderate
	Sunshine ...	Scanty	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Very abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 3 weeks from Mar. 3rd, 1918	Warmth ...	2, 1, 0	1, 1, 1	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 2, 0	2, 1, 0	1, 2, 0	1, 1, 1	1, 1, 1	0, 3, 0
	Rainfall ...	0, 0, 3	0, 0, 3	0, 0, 3	0, 1, 2	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 1, 2	0, 2, 1
	Sunshine ...	2, 0, 1	0, 2, 1	1, 0, 2	1, 2, 0	1, 0, 2	2, 1, 0	0, 2, 1	1, 1, 1	0, 2, 1	1, 1, 1	1, 1, 1	0, 3, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m s = 2·24 miles per hour.

(16688—19.) Wt. 153—442. 450. 3/18 D & S. G. 17/ 86.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F	°F.	°F.	°F.		in	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick..	54	50	23rd	35	17th	47·0	39·7	43·2	+ 4·6	7	0·73	19	+ 2										
p Deerness	160	53	22nd	35	17th	48·0	40·3	44·0	—	3	0·59	15	0	Deerness ..	1·9	- 1·4	16	•	•	•	•	•	•
a Stornoway	51	54	20th	35	19th	50·0	40·3	45·0	+ 5·1	5	0·71	18	- 5	Stornoway ..	1·1	- 2·4	9	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	52	23rd	39	17th	49·6	41·6	47·0	—	4	0·29	7	—	Castlebay ..	2·3	—	19	•	•	•	•	•	•
b, Mainland. *a* Wick	81	57	23rd	30	18, 19	50·7	37·3	43·8	+ 4·4	2	0·20	5	- 8	Fort Augustus..	1·7	- 1·1	14	•	•	•	•	•	•
p Glencarron ..	500	54	23rd	33	19th	50·6	41·1	45·7	+ 6·8	6	0·57	14	- 29										
p Fort Augustus.. ..	68	57	23rd	30	19th	53·0	41·4	47·0	+ 7·1	3	0·21	5	- 15										
p Fort William	171	57	22nd	34	19th	51·4	41·4	46·3	+ 5·5	6	0·71	18	- 18										
1. SCOTLAND, E.																							
a Nairn	82	60	21, 22	29	19th	51·9	38·0	46·2	+ 6·3	1	0·04	1	- 10	Nairn	2·6	—	22	•	•	•	•	•	•
p Gordon Castle ..	101	60	23rd	34	17, 19	55·6	40·6	47·9	+ 7·4	2	0·05	1	- 12	Gordon Castle..	1·8	—	15	•	•	•	•	•	•
a Aberdeen	46	65	22nd	32	19, 20	54·7	37·7	46·0	+ 5·6	1	0·01	1	- 13	Aberdeen ..	3·3	- 0·8	28	2	25	•	•	40·9	+0·7
a Balmoral	930	59	22nd	24	19th	50·7	35·4	42·8	+ 6·4	1	0·03	1	- 16	Balmoral ..	•	•	•	3	21	•	•	•	•
p Crieff	432	57	21, 22	29	19th	51·1	36·4	43·5	+ 3·0	3	0·09	2	- 16	Crathes	2·9	- 1·1	24	2	23	40·1	+1·3	40·1	+0·9
a Dundee	244	59	22nd	32	17, 19	53·3	36·9	41·9	+ 4·7	1	0·02	1	- 11	Dundee	2·9	—	24	3	25	40·0	•	•	•
a Leith	30	61	22nd	35	17th	53·9	39·6	46·5	+ 4·8	2	0·05	1	- 9	Leith	•	•	•	1	30	•	•	•	•
p Edinburgh	441	60	22nd	34	17th	53·4	40·3	46·7	+ 6·5	1	0·02	0·4	- 10	Edinburgh ..	4·0	0·0	33	1	27	•	•	•	•
a West Linton	769	56	21st	26	23rd	50·7	34·9	42·6	+ 5·3	3	0·10	3	—	West Linton ..	3·2	—	27	4	20	•	•	•	•
p Marchmont	498	60	23rd	31	18th	52·1	36·0	43·8	+ 4·4	1	0·02	1	- 14	Marchmont ..	3·3	- 0·5	28	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	56	22nd	34	19th	51·1	40·3	45·5	—	5	0·76	19	—	Ford (Argyll) ..	•	•	•	1	28	42·1	—	41·2	—
p Glasgow Observatory	180	58	21st	36	17th	51·7	41·6	46·5	+ 5·5	3	0·11	3	- 12	Glasgow.. ..	2·9	- 0·2	24	1	30	•	•	•	•
p Rothesay	200	55	20, 22	36	17th	51·1	39·9	45·3	+ 3·7	4	0·35	9	- 11	Rothesay ..	2·7	—	23	0	31	42·1	•	42·3	-0·1
a Kilmarnock	90	60	21–23	37	17th	55·7	41·3	48·3	+ 7·8	3	0·12	3	- 12	Kilmarnock ..	5·2	—	43	•	•	42·8	•	42·4	•
a Colmonell	170	61	23rd	32	17th	54·4	39·1	46·5	+ 5·4	2	0·10	3	- 15	Colmonell ..	•	•	•	1	29	•	•	•	•
p Cally, Gatehouse ..	120	56	22, 23	32	17th	51·6	36·4	43·8	+ 3·9	2	0·30	8	- 13	Dumfries ..	3·0	—	25	1	28	41·4	+0·5	41·8	-0·1
p Dumfries	160	57	23rd	33	17th	49·0	38·7	44·0	+ 1·8	2	0·24	6	- 9	Eskdalemuir ..	2·1	—	18	2	30	•	•	•	•
a Eskdalemuir	794	55	23rd	32	18th	47·6	36·3	41·8	—	2	0·36	9	—										
b, I. OF MAN *p* Douglas	277	56	23rd	38	17th	50·1	41·4	45·6	+ 3·8	2	0·39	10	- 6	Douglas	3·7	- 1·0	31	0	35	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle ..	210	63	23rd	33	17th	55·7	39·3	47·3	+ 6·8	0	0·00	0	- 13										
a Tynemouth	71	63	22, 23	37	17, 18	55·0	40·0	47·3	+ 6·5	1	0·08	2	- 8	Cockle Park ..	5·6	+ 1·1	47	3	27	40·4	+1·5	40·8	+0·5
p Durham	336	64	22, 23	32	18th	55·7	38·7	47·0	+ 6·6	2	0·10	3	- 7	Durham ..	6·2	+ 2·2	52	1	27	•	•	•	•
p Rounton	249	66	23rd	33	18th	57·1	38·0	47·3	+ 7·1	2	0·17	4	- 6	Rounton ..	•	•	•	5	24	40·9	•	•	•
a West Witton	605	60	23rd	32	18th	53·3	39·6	46·3	—	2	0·24	6	—	West Witton ..	•	•	•	2	25	40·3	•	39·8	•
p Scarborough	100	71	23rd	42	18th	60·9	45·0	52·7	+11·0	2	0·06	2	- 8	Scarborough† ..	6·5	+ 2·1	54	•	•	•	•	42·8	•
p York	56	66	23rd	35	17th	57·0	38·3	47·4	+ 5·5	2	0·05	1	- 9	York	4·1	+ 0·4	34	•	•	41·8	+0·7	42·3	+0·5
b South .. *a* Spurn Head	26	60	21st	38	17, 18	51·1	39·0	46·3	+ 4·6	1	0·04	1	- 7	Spurn Head ..	5·6	—	47	•	•	•	•	•	•
a Lincoln	58	68	22nd	31	17th	57·9	36·9	47·1	+ 5·1	1	0·03	1	- 8	Lincoln	•	•	•	5	25	42·2	+2·1	42·7	+1·2
a Fulbeck	180	63	23rd	32	17th	58·0	36·7	47·0	+ 5·1	2	0·18	5	- 5	Rauceby	6·4	+ 1·9	53	•	•	43·1	+0·8	43·2	+0·1
														Skegness ..	6·4	+ 1·6	53	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	68	23rd	32	17th	57·7	38·0	47·6	+ 6·1	1	0·02	1	- 9	Cromer	7·3	+ 2·8	61	•	•	•	•	•	•
a Little Massingham ..	280	67	23rd	28	17th	57·9	34·3	45·8	+ 4·3	1	0·09	2	- 12	Lit. Massingham	6·8	+ 2·7	57	•	•	•	•	•	•
a Yarmouth	13	65	23rd	35	17th	56·9	37·3	46·8	+ 5·8	0	0·00	0	- 12	Yarmouth ..	7·0	—	58	1	28	43·3	+0·8	44·1	0·0
a Norwich	93	70	23rd	29	17th	59·4	35·9	47·3	+ 5·3	1	0·02	1	- 13	Norwich ..	6·9	—	58	6	24	41·3	•	•	•
a Geldeston	37	72	23rd	25	17th	61·7	33·3	47·1	+ 5·3	1	0·02	1	- 11	Geldeston ..	7·1	+ 2·7	59	•	•	•	•	•	•
p Cambridge	41	70	23rd	27	17th	61·1	31·9	46·1	+ 4·0	1	0·14	4	- 6	Cambridge ..	6·5	+ 2·2	54	7	18	42·6	+0·1	43·5	-0·1
a Clacton-on-Sea ..	54	62	23rd	33	17th	54·7	38·4	46·3	+ 4·9	1	0·09	2	- 8	Clacton	6·8	+ 2·1	57	3	29	43·7	+0·7	44·2	-0·4
a Rothamsted	424	67	23rd	29	17th	57·6	32·6	44·7	+ 3·4	1	0·04	1	- 13	Rothamsted ..	6·7	+ 2·6	56	6	18	41·5	•	•	•
p Tottenham	51	69	23rd	35	17th	59·6	39·3	49·2	—	1	0·02	1	—	Tottenham ..	5·9	—	49	1	30	•	•	43·0	-0·1
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	63	23rd	32	18th	55·1	38·4	46·5	+ 6·6	2	0·07	2	- 10	Harrogate ..	6·4	+ 2·3	53	2	27	43·8	+0·9	41·3	+0·5
p Sheffield	429	67	23rd	32	17th	57·0	39·6	48·0	—	3	0·31	8	—	Sheffield.. ..	5·1	+ 1·5	43	1	26	41·2	+1·1	41·6	+0·4
p Buxton	987	62	23rd	30	17th	53·3	36·6	44·7	—	2	0·25	6	- 16	Buxton	5·4	—	45	3	29	40·1	+0·5	40·7	-0·4
b, East .. *a* Bawtry	65	66	22, 23	26	17th	58·9	33·3	45·7	+ 4·1	2	0·06	2	- 7	Worksop ..	5·7	+ 2·1	48	7	21	42·5	•	42·7	•
a Nottingham	82	69	23rd	27	17th	57·9	34·9	46·1	+ 4·7	1	0·08	2	- 7	Nottingham ..	5·7	+ 2·0	48	4	26	42·0	+1·7	41·3	+0·6
p Birmingham, Edgbsn.	536	68	23rd	32	17th	57·6	39·3	48·2	+ 7·0	1	0·13	3	- 8	Birmingham ..	6·0	+ 3·0	50	1	24	42·2	+1·3	43·8	+0·4
a Raunds	203	70	23rd	27	17th	60·1	33·0	46·2	+ 4·8	1	0·05	1	- 8	Raunds	6·6	—	55	7	17	42·5	•	43·6	•
p Oxford	208	70	23rd	28	17th	59·3	36·3	47·5	+ 5·4	2	0·08	2	- 8	Oxford	6·0	+ 2·1	50	5	22	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	616	66	23rd	31	17th	56·4	36·7	46·3	+ 6·1	1	0·30	8	- 5	Cheadle	•	•	•	4	27	•	•	•	•
p Shrewsbury	191	72	23rd	28	17th	59·1	34·6	46·5	+ 4·4	2	0·20	5	- 4	Shrewsbury ..	•	•	•	5	23	•	•	•	•
a Hereford§	291	69	23rd	26	21st	59·7	30·6	44·7	+ 2·6	2	0·26	7	- 3	Malvern	6·5	—	54	1	26	42·8	•	43·2	•
a Clifton	229	66	23rd	34	17th	56·9	37·7	47·0	+ 4·3	2	0·19	5	- 11	Clifton	5·5	—	46	0	31	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	68	23rd	26	23rd	58·0	33·0	45·1	+ 4·3	1	0·09	2	- 13	Worthing ..	4·4	- 0·5	37	5	27	44·1	+0·6	44·7	-0·1
p Salisbury (Wilton) ..	180	69	23rd	28	17th	59·0	33·3	45·8	+ 4·2	1	0·19	5	- 11	Marlborough ..	5·1	+ 1·4	43	4	19	44·0	•	44·8	•
a Wisley, Surrey ..	150	69	23rd	29	17th	59·6	34·3	46·6	+ 4·6	2	0·08	2	- 9	Salisbury	•	•	•	4	25	44·9	•	•	•
a Tunbridge Wells ..	354	69	23rd	33	22nd	60·3	35·9	47·7	+ 6·0	1	0·01	0	- 14	Wisley	6·4	+ 2·3	53	7	14	42·6	+0·4	43·3	-0·2
a Margate	51	63	23rd	39	17th	58·0	41·1	49·3	+ 6·7	1	0·19	5	- 5	Tunbridge Wells	6·2	+ 1·7	52	6	23	44·0	+3·2	44·0	•
														Margate	6·4	+ 1·9	53	1	30	44·6	+1·6	44·3	+0·5
a Dungeness	21	58	20th	27	17th	50·3	36·3	43·1	+ 1·3	2	0·21	5	- 6	Folkestone ..	5·2	—	43·	•	•	•	•	43·4	•
p St. Leonards	176	59	23rd	32	22nd	52·7	38·1	45·2	+ 2·7	1	0·08	2	- 11	St. Leonards ..	6·2	+ 1·4	52	2	28	43·8	•	43·6	•
p Southampton	64	68	23rd	32	23rd	58·3	36·1	46·9	+ 3·2	1	0·08	2	- 12	Southampton ..	5·3	+ 0·8	44	5	22	•	•	•	•
a Ventnor	59	59	23rd	33	22nd	52·6	39·3	45·8	+ 1·8	2	0·12	3	- 9	Ventnor	4·3	- 0·7	36	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	66	23rd	32	18th	59·0	35·6	47·0	+ 4·5	1	0·04	1	- 9	Richmond ..	5·5	+ 1·7	46	7	21	41·9	-0·4	43·3	-0·8
a Westminster	27	69	2 rd	—	—	60·4	—	—	—	1	0·06	2	- 8	Westminster ..	5·6	+ 2·8	47	0	31	•	•	•	•
ag Greenwich	149	67	22nd	33	17th	60·3	36·7	48·2	+ 5·4	1	0·05	2	- 7	Greenwich ..	6·2	+ 2·8	52	5	21	•	•	•	•
a Hampstead	450	69	23rd	33	17th	58·9	36·6	47·4	—	1	0·06	2	—	Hampstead ..	6·5	—	54	6	26	•	•	•	•
ag Camden Square ..	110	70	23rd	31	17th	61·0	36·1	48·2	+ 5·1	1	0·05	2	- 9	Camden Square	4·8	+ 1·6	40	2	25	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	57	23rd	33	17th	50·9	40·0	45·3	+ 4·7	2	0·16	4	- 12	Aspatria.. ..	4·8	+ 0·6	40	1	25	41·5	-0·4	42·1	-1·4
p Newton Rigg	559	63	23rd	32	17th	53·7	37·0	45·1	+ 5·4	2	0·14	4	- 11	Newton Rigg ..	4·9	+ 0·9	41	6	25	41·1	+0·7	41·1	+0·4
p Stonyhurst	375	58	22, 23	34	21st	52·7	37·0	44·6	+ 4·0	2	0·28	7	- 12	Stonyhurst ..	4·9	+ 1·1	41	3	25	•	•	•	•
p Blackpool	66	60	22nd	32	22nd	53·9	36·7	45·1	+ 3·7	3	0·28	7	- 5	Blackpool ..	5·6	+ 1·0	47	5	21	42·6	•	43·9	•
a Southport	37	62	22nd	32	17th	54·3	37·3	45·6	+ 3·9	2	0·27	7	- 5	Southport ..	5·6	+ 1·2	47	3	25	40·9	-0·7	42·4	0·0
														Hoylake ..	5·8	+ 1·6	48	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	62	22nd	33	17th	54·4	38·0	46·0	+ 3·8	2	0·24	6	- 4	Liverpool ..	5·7	—	48	1	28	•	•	•	•
a Hawarden Bridge ..	22	66	22, 23	33	17th	58·4	38·1	48·0	+ 5·1	2	0·14	4	- 5	Manchester (City)	4·2	+ 1·2	35	0	33	41·6	+1·2	43·9	+1·0
p Manchester (Whit. Pk.)	125	65	22, 23	34	17th	57·3	38·4	47·6	+ 5·1	2	0·31	9	- 3	Whitworth Park	4·7	+ 2·0	39	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	61	22, 23	33	17th	56·0	41·0	48·3	+ 5·2	1	0·07	2	- 9	Llandudno ..	6·6	+ 2·1	55	•	•	•	•	•	•
a Holyhead	10	56	17, 23	36	17th	52·3	41·7	46·8	+ 4·0	3	0·17	4	- 10	Holyhead ..	4·4	—	37	2	29	•	•	•	•
a Beddgelert	309	61	23rd	32	17th	53·3	39·3	46·1	—	3	0·51	13	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	58	22nd	38	17th	52·7	40·0	46·2	—	2	0·12	3	—	Aberystwyth ..	6·3	+ 2·0	53	•	•	•	•	•	•
a Rhayader	767	65	23rd	26	22nd	53·7	34·0	43·6	—	4	0·15	4	—	Rhayader ..	5·9	—	49	4	20	•	•	•	•
a St. Ann's Head ..	149	54	23rd	34	17th	49·4	41·6	45·4	+ 2·7	3	0·17	4	- 10	Pembroke ..	4·7	0·0	39	•	•	•	•	•	•
p Cardiff	202	65	23rd	35	17th	55·7	39·1	47·2	+ 5·2	3	0·37	9	- 8	Cardiff	5·9	—	49	2	26	43·9	+1·6	44·3	+0·7
b, ENGLAND, S.W.																							
a Bath	66	69	23rd	30	23rd	59·4	35·6	47·1	+ 4·7	1	0·13	3	- 10	Bath	•	•	•	•	•	45·1	+2·1	45·2	+1·3
a Shaftesbury	722	67	23rd	32	17, 18	56·1	36·9	46·2	+ 5·2	0	0·00	0	- 14	Shaftesbury ..	•	•	•	•	•	44·6	•	43·9	•
a Arlington	613	66	23rd	31	22nd	55·7	37·4	46·3	+ 5·0	2	0·39	10	- 12										
a Hartland Quay ..	100	64	23rd	33	17th	54·4	41·0	47·5	—	2	0·28	7	—										
a Newquay	190	60	23rd	34	17th	53·6	39·7	46·4	+ 2·3	2	0·27	7	- 7	Newquay ..	6·1	+ 1·3	51	2	28	46·9	•	46·9	•
a Cullompton	202	68	23rd	30	23rd	58·3	37·0	47·3	+ 4·6	4	0·33	9	- 6	Cullompton ..	5·3	+ 1·0	44	4	25	45·4	•	•	•
a Portland Bill	19	56	23rd	36	17th	48·6	39·4	43·9	+ 0·7	3	0·13	3	- 8	Weymouth ..	4·4	—	37	•	•	•	•	•	•
p Plymouth	116	58	20th	33	23rd	52·3	41·0	46·5	+ 2·5	2	0·47	12	- 4	Plymouth ..	3·3	- 1·4	28	1	28	45·7	+0·9	46·1	•
a Falmouth	167	57	20th	34	23rd	52 4	40·4	46·2	+ 2·0	1	0·01	1	- 18	Falmouth ..	3·9	- 1·1	33	1	29	48·4	•	48·2	•
9. IRELAND, N.																							
a West .. *a* Malin Head	208	59	22nd	34	17th	53·4	40·3	46·7	+ 4·9	1	0·01	1	- 12	Malin Head ..	5·7	—	43	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	327	57	23rd	36	17th	51·7	42·7	47·1	+ 3·9	4	0·23	6	- 16	Markree Castle	6·2	+ 2·3	52	2	28	45·3	+1·9	44·3	0·0
a West .. *p* Markree Castle ..	122	65	23rd	34	17th	58 9	40·9	49·6	+ 7·9	2	0·17	4	- 14										
b. East .. *p* Armagh	196	64	21-23	35	17th	59·1	41·3	49·9	+ 8·3	3	0·03	1	- 12	Armagh	6·7	+ 2·9	56	1	28	43·7	+1·4	43·7	+0·2
b. East .. *a* Donaghadee ..	101	61	23rd	38	17th	55·1	40 6	47·6	+ 5·6	3	0·20	5	- 7										
10. IRELAND, S.																							
p Dublin, City	47	64	23rd	39	17th	59·0	44·4	51·5	+ 7·9	2	0·05	1	- 10	Trinity Coll. ..	•	•	•	3	26	45·5	+2·0	45·7	+1·1
a Birr Castle	175	65	23rd	35	17th	59·6	40·9	50·0	+ 8·1	2	0·08	2	- 11	Phœnix Park ..	7·2	+ 2·9	60	4	20	•	•	•	•
a Kilkenny	212	62	23rd	36	17th	57·7	40·0	48·6	+ 6·2	6	0·10	3	- 10	Dublin City ..	•	•	•	0	34	•	•	•	•
a Waterford	20	56	18, 19, 22	36	20th	54·0	41·4	47·5	+ 3·9	2	0·39	10	- 5	Birr Castle ..	6·9	+ 3·1	58	2	26	•	•	•	•
p Seskin, Carrick-on-Suir	541	58	23rd	33	17th	55·4	40 4	47·7	—	2	0 26	7	—	Seskin	6·6	—	55	3	26	•	•	•	•
a Cahir	199	62	23rd	34	18th	53·7	40·8	47·1	+ 4·4	4	0·19	5	—										
a Foynes	50	65	23rd	34	17th	59·4	42·0	50·4	+ 6·7	2	0 20	5	- 11										
a Cahirciveen (Val. Obs.)	30	60	23rd	40	17th	55·9	45·6	50·6	+ 5·8	4	0·61	16	- 8	Cahirciveen ..	6·9	+ 2·6	58	0	39	•	•	•	•
a Killarney	174	67	23rd	40	17th	60·4	45·1	52·5	+ 8·5	3	0·37	9	- 16	Ballinacurra ..	6·1	+ 1·3	51	•	•	•	•	•	•
a Roche's Point	32	56	19th	38	17th	52·4	44·1	48·1	+ 4 0	5	0 23	6	- 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	23rd	42	17th	53·3	44·7	48·9	+ 3·1	4	0·26	7	- 8	Scilly	7·0	+ 2·3	58	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	64	23rd	33	22nd	53·6	38·7	45·9	+ 0·7	2	0·36	9	- 6	St. Heliers ..	5·3	+ 0·3	44	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	64	23rd	37	22nd	54·3	41·4	47·7	+ 2·2	5	0·28	7	- 9	Guernsey† ..	5·2	+ 0·2	43	1	30	46·7	+1·0	46·6	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brookiva

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 23rd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	17, 18	2	67	89	10	0	157	12	18	7	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	1	112	55	0	225	6	22	3	12	22	12	25
Aberdeen	153	105	52	—	—	—	—	17	103	48	0	259	7	23	14	14	22	5	55
Edinburgh	485	39	31	—	—	—	—	102	66	0	0	203	11	22	5	17	21	13	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	18, 21, 22	+ 5	+ 60	+ 77	+ 26	+ 0	+ 203	+ 11	+ 21	+ 13	16 +	18 +	12 +	45 +
Paisley	188	81	52	—	—	—	—	5	111	52	0	225	7	21	12	16	21	14	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	25	100	43	0	225	7	21	16	17	21	17	25
South Shields	72	61	12	—	—	—	—	38	90	40	0	281	9	20	13	13	20	12	40
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	12	136	20	0	67	7	17	13	—	—	—	—
Gorleston	52	42	‡‡	—	—	—	—	12	126	30	0	326	7	20	11	10	20	10	20
Shoeburyness	103	90	‡‡	—	—	—	—	18	121	29	0	101	8	17	15	12	20	9	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	+ 11	+ 85	+ 72	+ 0	225	+ 8	+ 18	+ 15	12 +	18 +	16 +	0 +
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	12	156	0	0	—	7	18	14	12	18	12	55
Brighton	261	53	6	—	—	—	—	7	71	90	0	—	6	17	8	10	19	22	15
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	48	110	10	0	236	9	18	13	12	20	14	0
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	4	82	82	0	67	7	17	10	11	17	10	10
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	2	84	77	0	247	7	21	14	11	18	16	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	19	136	13	0	180	8	18	12	—	—	—	—
Southport	80	62	48	—	—	—	—	56	101	11	0	225	9	18	16	15	18	15	5
Holyhead	60	40	‡	—	—	18, 19, 21, 22	9	125	33	1	0	214	11	22	3	17	19	6	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	44	66	58	0	180	10	19	5	16	19	17	25
Plymouth	185	88	2	—	—	—	—	8	67	93	0	—	7	19	17	12	19	16	35
Lyme Regis	556	61	‡	—	—	19	1	15	35	117	0	—	11	19	15	16	19	15	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	22	1	73	91	3	0	90	12	22	12	—	—	—	—
Quilty	100	40	‡‡	—	—	—	—	103	56	9	0	—	10	22	11	15	19	1	50
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	17, 21, 22	17	124	25	2	0	180	12	21	14	18	21	12	20
Weaver Pt.	160	30	‡	—	—	—	—	86	50	32	0	—	10	18	24	16	18	7	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	34	118	11	5	293	10	19	18	14	19	18	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWELFTH WEEK of 1918—March 17th to March 23rd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	30	83·2	77·4	80·3	+ 3·1	30	+ 17	6	− 22	5	0	0·51	13	− 11	1·6	−1·6	13	1016
Eastern.																			
1. SCOTLAND, EAST ...	65	24	84·7	75·9	80·2	+ 2·9	40	+ 23	13	− 18	2	− 2	0·05	1	− 13	3·2	−0·7	26	1019
2. ENGLAND, N.E.	71	31	86·8	75·9	81·7	+ 3·6	52	+ 32	8	− 17	1	− 3	0·08	2	− 8	5·9	+1·5	49	1023
3. ENGLAND, EAST ...	72	25	87·7	75·1	81·2	+ 2·9	60	+ 34	18	− 7	1	− 3	0·05	1	− 11	6·8	+2·5	56	1024
4. MIDLAND COUNTIES ...	72	26	87·5	74·9	81·1	+ 2·9	59	+ 33	18	− 9	2	− 2	0·14	4	− 7	5·8	+2·0	48	1024
5. ENGLAND, S.E.	69	26	86·8	75·4	80·9	+ 2·1	54	+ 28	16	− 4	1	− 3	0·11	3	− 9	5·5	+1·1	46	1025
Western.																			
6. SCOTLAND, WEST ...	61	32	84·1	77·3	80·6	+ 2·5	35	+ 16	6	− 16	3	− 1	0·30	8	− 12	3·3	−0·6	28	1021
7. ENGLAND, N.W.	66	32	85·4	76·7	80·9	+ 2·5	44	+ 24	9	− 12	2	− 2	0·20	5	− 8	5·4	+1·4	45	1023
8. ENGLAND, S.W.	69	26	85·3	76·4	80·8	+ 1·8	44	+ 19	11	− 6	2	− 2	0·22	6	− 11	5·1	+0·6	42	1025
9. IRELAND, NORTH ...	65	34	86·5	78·1	82·2	+ 3·6½	49	+ 27	3	− 17	2	− 2	0·13	3	− 13	6·5	+2·7	54	1018
10. IRELAND, SOUTH ...	67	34	86·8	78·9	82·8	+ 3·4	53	+ 25	0	− 15	3	− 1	0·25	6	− 11	6·8	+2·6	57	1021
11. ENGLISH CHANNEL ...	64	33	85·1	78·3	81·6	+ 1·1	40	+ 10	1	− 4	4	0	0·30	8	− 7	5·8	+0·9	49	1025

THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, March 3rd to March 23rd, 1918.

0. SCOTLAND, NORTH ...	57	20	81·4	75·4	78·3	+ 1·4	55	+ 25	53	− 40	10	− 5	1·04	26	− 53	3·2	+0·3	28	1019
Eastern.																			
1. SCOTLAND, EAST ...	65	9	81·2	74·0	77·5	+ 0·5	56	+ 16	93	− 11	8	− 5	0·38	9	− 35	2·5	−1·0	22	1021
2. ENGLAND, N.E.	71	24	82·4	75·5	78·8	+ 1·0	78	+ 25	56	− 25	7	−[5	0·35	8	− 23	3·3	−0·6	29	1022
3. ENGLAND, EAST ...	72	22	83·3	74·6	78·8	+ 0·8	95	+ 29	67	− 16	6	− 5	0·27	7	− 24	4·7	+0·9	40	1021
4. MIDLAND COUNTIES ...	72	22	83·2	74·5	78·8	+ 0·9	92	+ 25	67	− 20	6	− 5	0·32	8	− 24	3·2	−0·2	28	1021
5. ENGLAND, S.E.	69	24	83·6	75·1	79·2	+ 0·7	98	+ 30	59	− 6	4	− 7	0·26	7	− 29	4·9	+1·1	42	1021
Western.																			
6. SCOTLAND, WEST ...	61	23	81·6	75·3	78·4	+ 0·6	53	+ 8	55	− 18	7	− 6	0·75	20	− 43	2·5	−0·9	22	1021
7. ENGLAND, N.W.	66	28	82·1	75·6	78·8	+ 0·7	70	+ 19	50	− 17	6	− 6	0·38	10	− 33	3·5	+0·1	30	1021
8. ENGLAND, S.W.	69	26	82·7	75·9	79·2	+ 0·5	79	+ 12	46	− 9	5	− 7	0·58	15	− 37	3·7	−0·2	32	1020
9. IRELAND, NORTH ...	65	23	82·7	75·7	79·1	+ 0·6	79	+ 21	51	− 13	6	− 8	0·44	11	− 38	3·8	+0·5	33	1018
10. IRELAND, SOUTH ...	67	23	83·4	76·5	79·9	+ 0·7	93	+ 16	39	− 11	10	− 2	0·98	24	− 28	4·1	+0·3	35	1019
11. ENGLISH CHANNEL ...	64	33	83·7	77·6	80·5	+ 0·3	96	+ 10	14	− 6	9	− 4	0·78	20	− 25	4·7	+0·1	41	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 12 Weeks, December 30th, 1917, to March 23rd, 1918.

0. SCOTLAND, NORTH ...	58	5	79·7	74·2	77·0	+ 0·5	149	+ 60	391	− 22	62	+ 1	14·38	364	+ 10	1·6	−0·2	18	1012
Eastern.																			
1. SCOTLAND, EAST ...	65	−3	79·6	73·5	76·6	+ 0·4	142	+ 39	449	− 29	48	− 1	6·14	155	− 16	1·9	−0·5	21	1014
2. ENGLAND, N.E.	71	9	80·5	74·9	77·7	+ 0·8	188	+ 53	318	− 68	42	− 4	4·18	104	− 16	2·3	−0·2	25	1017
3. ENGLAND, EAST ...	72	14	81·0	74·4	77·7	+ 0·8	217	+ 60	337	− 73	39	− 7	3·80	97	− 23	3·0	+0·4	31	1019
4. MIDLAND COUNTIES ...	72	12	81·2	74·8	78·0	+ 1·1	230	+ 62	318	−105	39	− 7	4·48	114	− 24	2·2	−0·1	23	1019
5. ENGLAND, S.E.	69	15	81·3	75·2	78·3	+ 0·7	234	+ 49	293	− 32	36	− 9	4·93	125	− 25	3·0	+0·4	31	1019
Western.																			
6. SCOTLAND, WEST ...	61	5	80·4	75·3	77·8	+ 0·5	168	+ 37	274	− 58	54	− 1	11·81	301	+ 13	1·7	−0·5	18	1015
7. ENGLAND, N.W.	66	12	81·1	76·0	78·6	+ 1·1	231	+ 88	213	−104	44	− 5	6·73	172	− 19	2·1	−0·2	22	1017
8. ENGLAND, S.W.	69	16	81·4	76·4	79·0	+ 0·8	267	+ 56	206	− 50	41	− 9	7·70	197	− 32	2·4	−0·2	25	1018
9. IRELAND, NORTH ...	65	18	81·4	76·1	78·8	+ 0·8	257	+ 75	220	− 59	53	− 5	8·02	203	− 18	1·9	−0·3	20	1013
10. IRELAND, SOUTH ...	67	19	82·3	77·0	79·6	+ 0·8	335	+ 76	178	− 40	55	+ 2	9·93	252	+ 8	2·1	−0·4	22	1016
11. ENGLISH CHANNEL ...	64	26	82·4	77·9	80·2	+ 0·3	338	+ 35	86	− 12	146	− 9	4·67	118	− 77	3·3	+0·2	34	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics South Kensington, S.W. 7 : March 27th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 13.

THE THIRTEENTH WEEK OF 1918.

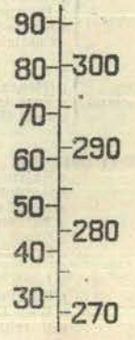
SUNDAY, MARCH 24TH, TO SATURDAY, MARCH 30TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

On Sunday the anticyclone which had been the dominating factor for the latter half of the preceding week was still centered over England and the Channel and the weather was very fine and warm; maximum temperatures of 294 a, or above were recorded over Central England, and 10 hrs. or more of bright sunshine were registered over nearly the whole of England and Ireland; in some places the amount was more than 11 hrs. The maximum temperature at Hodsock Priory, (Worksop), was 295 a, the previous record for March before this year being 293 a. On Monday, however, a change in the distribution of pressure took place, the wind became Northerly and a considerable fall of temperature occurred, the difference between the maxima of the two days over Eastern England being about 11a. From the middle of the week onwards depressions were passing across these Islands from west to east, and the weather was very changeable, and cool, and the wind variable between S.E. or S. and W. Showers of snow, sleet or hail, occurred in many parts of Scotland on Friday, with maximum temperatures of about 277 a. Minima below freezing point occurred in nearly all districts, some of the lowest readings in the screen being 270 a at Marlborough, 268 a at Rhayader and West Linton, and 266 a at Eskdalemuir; the thermometer on the grass registered 264 a at the two last named stations, 265 a at Raunds, Marlborough and Southampton.

The zodiacal light was seen at Oxford on the 30th, and lunar halos at Aberdeen, Yarmouth and Norwich on the 26th, while thunder and lightning occurred in London during the early hours of Friday, 29th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	5·0	13	5·0	15	3·7	11	4·5	14	5·0	17	4·0	13	4·5	16	3·4
North	13	7·0	12	3·5	11	2·9	10	3·3	12	4·6	10	4·0	7	2·4	6	2·4
West	15	3·4	19	4·1	17	2·5	12	3·8	22	4·4	15	7·8	18	5·3	14	4·9
East	11	4·5	6	2·2	6	2·2	7	1·1	0	—	12	3·7	3	2·1	6	2·4
Calm	1	—	0	—	2	—	6	—	1	—	0	—	3	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate
Comparison with normal for the time of year ... Rainfall ...	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy
Comparison with normal for the time of year ... Sunshine ...	Very scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 4 weeks from Mar. 3rd, 1918 — Warmth ...	2, 2, 0	1, 2, 1	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	1, 3, 0	2, 2, 0	2, 2, 0	2, 1, 1	2, 1, 1	0, 4, 0
SPRING. 4 weeks from Mar. 3rd, 1918 — Rainfall ...	0, 1, 3	1, 0, 3	0, 1, 3	1, 1, 2	1, 0, 3	1, 0, 3	1, 0, 3	0, 1, 3	1, 0, 3	1, 0, 3	1, 1, 2	1, 2, 1
SPRING. 4 weeks from Mar. 3rd, 1918 — Sunshine ...	2, 0, 2	0, 2, 2	1, 0, 3	1, 2, 1	1, 0, 3	2, 2, 0	0, 3, 1	1, 2, 1	1, 2, 1	1, 2, 1	2, 1, 1	0, 4, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(16782—19.) Wt. 153—442. 450. 4/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands.. *a* Lerwick	54	47	24th	32	25, 26, 29	42·7	34·1	38·3	− 1·0	5	0·59	15	0									
p Deerness	160	50	27th	33	29th	43·9	36·6	40·1	—	5	1·10	28	+ 14	Deerness	1·0	− 3·2	8	•	•	•	•	•	•
a Stornoway	31	49	24th	34	29th	46·3	38·0	42·0	+ 1·2	6	1·59	40	+ 20	Stornoway	1·0	− 3·5	8	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	50	24th	36	29th	46·9	40·7	43·7	—	5	0·75	19	—	Castlebay	1·9	—	15			•	•	•	•
b, Mainland. *a* Wick	81	51	27th	32	26, 27	45·1	34·7	39·8	− 0·5	7	1·07	27	+ 15	Fort Augustus..	2·4	− 1·0	19	•	•	•	•	•	•
p Glencarron	500	51	24th	32	28th	45·0	35·3	40·0	− 0·2	6	1·60	41	+ 3										
p Fort Augustus..	68	57	24th	33	25th	49·6	35·6	42·4	+ 1·5	1	0·24	6	− 11										
p Fort William	171	52	25th	32	26th	48·1	36·6	42·2	+ 0·3	4	0·78	20	− 10										
1. SCOTLAND, E.																						
a Nairn	82	52	24, 27	33	29, 30	48·0	36·0	41·8	+ 1·2	6	0·54	14	+ 4	Nairn	1·9	—	15	•	•	•	•	•	•
p Gordon Castle	101	52	27, 28	34	29th	47·4	36·1	41·6	+ 0·5	7	1·03	26	+ 14	Gordon Castle..	1·8	—	14	•	•	•	•	•	•
a Aberdeen	46	55	24th	35	29, 30	47·9	37·6	42·6	+ 1·7	7	1·20	31	+ 18	Aberdeen	2·6	− 1·7	21	1	29	•	•	41·9	+1·2
a Balmoral	930	?38	24th	31	26, 29	46·1	33·6	39·7	+ 2·5	7	0·41	10	− 6	Balmoral	•	•	•	3	30	•	•	•	•
p Crieff	432	59	24th	29	26th	48·1	33·4	40·8	− 0·8	3	0·47	12	− 4	Crathes	2·0	− 2·1	16	3	27	42·0	+1·9	41·1	+1·3
a Dundee	244	60	24th	32	25th	49·6	35·3	42·2	+ 1·3	4	0·58	15	+ 4	Dundee	3·8	—	30	3	25	42·4	•	•	•
a Leith	30	57	24th	31	26, 27	49·4	35·3	42·1	− 0·2	4	0·36	9	0	Leith	•	•	•	4	26	•	•	•	•
p Edinburgh	441	58	24th	30	26th	48·6	36·4	42·3	+ 1·5	4	0·25	6	− 3	Edinburgh	3·4	− 0·6	27	3	20	•	•	•	•
a West Linton	769	55	24th	23	28th	46·7	30·6	38·4	+ 0·3	3	0·50	13	—	West Linton	2·7	—	21	5	16	•	•	•	•
p Marchmont	498	62	24th	32	26, 29	49·6	34·8	42·0	+ 1·9	4	0·51	13	− 1	Marchmont	2·8	− 1·1	22	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	51	29th	25	26th	47·7	34·0	40·7	—	5	1·10	28	—	Ford (Argyll)	•	•	•	3	19	43·0	•	42·4	•
p Glasgow Observatory	180	52	24, 25	32	26th	48·1	36·6	42·2	+ 0·4	4	0·96	24	+ 9	Glasgow	2·4	− 1·1	19	2	23	•	•	•	•
p Rothesay	200	51	24, 25	31	26th	47·1	36·4	41·6	− 0·7	4	1·45	37	+ 16	Rothesay	3·2	—	25	2	26	43·1	•	43·8	+1·1
a Kilmarnock	90	55	25th	26	26th	50·3	34·0	41·9	+ 0·7	4	1·19	30	+ 14	Kilmarnock	3·7	—	29	•	•	43·1	•	43·2	•
a Colmonell	170	54	24th	27	26th	50·9	36·4	43·4	+ 1·7	4	0·86	22	+ 3	Colmonell	•	•	•	2	22	•	•	•	•
p Cally, Gatehouse	120	58	24th	28	26th	49·6	34·0	41·8	+ 0·1	3	0·64	16	− 6	Dumfries	3·3	—	26	2·6	17	43·0	+1·2	42·8	+0·5
p Dumfries	160	59	24th	29	26th	48·7	34·9	42·7	+ 0·4	3	0·88	22	+ 6	Eskdalemuir	3·3	—	26	5	16	•	•	•	•
a Eskdalemuir	794	56	24th	19	26th	46·6	27·1	36·6	—	3	1·15	29	—										
b, I. OF MAN *p* Douglas	277	55	24th	36	26th	48·4	39·4	43·8	+ 1·4	4	1·11	28	+ 11	Douglas	5·1	− 0·1	40	1	30	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle	210	63	24th	29	30th	47·6	34·4	40·8	− 0·4	6	0·30	8	− 4	Cockle Park	2·1	− 2·3	17	4	24	41·1	+1·0	42·4	+1·4
a Tynemouth	71	61	24th	33	26th	47·0	36·9	41·8	+ 0·3	3	0·20	5	− 4	Durham	2·5	− 1·5	20	5	24	•	•	•	•
p Durham	336	64	24th	29	26th	48·4	33·9	40·9	− 0·2	4	0·30	8	− 2	Rounton	•	•	•	5	25	42·6	•	•	•
a North *p* Rounton	249	65	24th	31	24th	48·9	34·7	41·6	+ 0·6	3	0·41	11	+ 1	West Witton	•	•	•	5	22	42·1	•	40·4	•
a West Witton	605	60	24th	30	28th	48·4	34·7	41·4	—	3	0·67	17	—	Scarborough†	2·6	− 1·8	21	•	•	•	•	42·9	•
p Scarborough	100	60	24th	39	30th	50·7	41·9	46·2	+ 3·8	5	0·64	16	+ 6	York	2·0	− 1·8	16	•	•	43·0	+0·9	43 0	+0·7
p York	56	65	24th	34	24th	50 0	37·0	43·3	+ 0·5	3	0·65	17	+ 7										
b, South *a* Spurn Head	26	60	24th	35	26th	47·3	38·4	42·7	+ 0·5	3	0·35	9	+ 2	Spurn Head	2·8	—	22	•	•	•	•	•	•
a Lincoln	58	69	24th	33	26th	51·1	37·7	44·2	+ 1·2	2	0·48	12	+ 3	Lincoln	•	•	•	5	26	43·3	+1·7	43·6	+1·5
a Fulbeck	180	67	24th	29	26th	51·1	35·9	43·3	+ 0·4	3	0·37	9	0	Rauceby	3·3	− 1·3	26	•	•	44·4	+0·9	44 0	+0·5
														Skegness	3·1	− 1·8	25	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	65	24th	33	27th	50·3	36·6	43·3	+ 0·6	3	0·33	8	+ 1	Cromer	4·0	− 0·9	32	•	•	•	•	•	•
a Little Massingham	280	66	24th	31	26, 27	49·3	35·6	42·3	− 0·5	3	0·43	11	+ 2	Lit. Massingham	3·2	− 1·3	25	•	•	•	•	•	•
a Yarmouth	13	61	24th	32	26th	48·4	36·7	42·4	+ 0·1	5	0·43	11	+ 3	Yarmouth	3·4	—	27	1	29	44·3	+0·4	45·0	+0·2
a Norwich	93	67	24th	31	26, 27	50 1	36·3	43·0	− 0·2	4	0·55	14	+ 5	Norwich	3·0	—	24	4	24	42·7	•	•	•
a Geldeston	37	70	24th	28	25th	51·3	34·4	42·6	− 0·3	5	0·42	11	+ 3	Geldeston	2·7	− 2·1	21	•	•	•	•	•	•
p Cambridge	41	69	24th	29	24, 27	51·7	34·4	42·8	− 0·7	3	0·41	10	+ 3	Cambridge	2·5	− 2·2	20	5	23	44·1	+0·3	44·4	+0·2
a Clacton-on-Sea	54	58	24th	32	26th	47·9	38·0	42·8	+ 0·1	3	0·51	13	+ 6	Clacton	2·9	− 2·2	23	4	27	44·4	+0·3	45·3	+0·1
a Rothamsted	424	67	24th	30	26th	50·4	35·1	42·5	− 0·2	3	0·62	16	+ 7	Rothamsted	3·5	− 1·0	28	4	22	42·6	•	•	•
p Tottenham	51	69	24th	32	26th	53·0	38·1	45·3	—	3	0·57	14	—	Tottenham	3·0	—	24	0	31	•	•	44·9	+0·5
4. MIDLAND COUNTIES.																						
a North *a* Harrogate	479	62	24th	29	26th	48·3	35·7	41·8	+ 0·5	3	0·52	13	+ 2	Harrogate	3·7	− 0·8	29	3	23	42·0	+1·3	42·4	+1·0
p Sheffield	429	67	24th	32	30th	50·1	37·0	43·4	—	3	0·70	18	—	Sheffield	2 2	− 1·8	17	4	26	42·4	+1·3	42 2	+0·7
p Buxton	987	62	24	27	26	47·4	32·7	39·8	—	4	0·89	23	+4	Buxton	4·7	—	37	6	24	41·5	+1·0	41·4	0·5
a Bawtry	65	66	24th	28	24th	50·1	34·4	42·0	− 1·1	2	0·49	12	+ 4	Worksop	3·2	− 0·7	25	5	21	43·4	•	43·5	•
a Nottingham	82	67	24th	33	24, 30	51·1	35·6	43·1	+ 0·2	2	0·48	12	+ 3	Nottingham	3·0	− 1·2	24	4	25	42·5	+0·8	42·3	+1·0
b, East *p* Birmingham, Edgbsn.	535	70	24th	35	30th	52·7	38·6	45·4	+ 2·7	3	0·70	18	+ 8	Birmingham	3·7	+ 0·4	29	3	24	44·0	+2·3	44·2	+0·7
a Raunds	203	70	24th	28	24, 26	52·6	32·6	42·6	− 0·7	2	0·36	9	+ 1	Raunds	3·8	—	30	6	17	43·6	•	44·0	•
p Oxford	208	70	24th	32	24th	53·6	37·7	45·4	+ 1·7	4	0·48	12	+ 3	Oxford	4 3	− 0·1	31	4	22	•	•	•	•
a Cheadle (N. Staffs.)	646	66	24th	30	26th	51·0	35·4	43·0	+ 1·3	3	1·10	28	+ 16	Cheadle	•	•	•	•	26	•	•	•	•
c, West *p* Shrewsbury	191	70	24th	30	24, 26	53·9	35·4	44·4	+ 0·9	4	0·78	20	+ 12	Shrewsbury	•	•	•	5	25	•	•	•	•
a Hereford§	291	70	24th	30	26th	54·4	34·4	44·1	+ 0·5	4	0·91	23	+ 13	Malvern	5·1	—	40	1	29	44·5	•	44·3	•
a Clifton	229	69	24th	36	24, 26	53·6	39·4	46·3	+ 1·9	4	0·96	24	+ 9	Clifton	4·6	—	37	0	31	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	70	24th	27	24, 26	52·9	33·4	42·9	+ 0·6	4	0·72	18	+ 7	Worthing	5·2	− 0·2	42	3	27	45·0	+0·4	45·3	+0·1
p Salisbury (Wilton)	180	71	24th	28	26th	55·1	33·1	43·8	+ 0·6	4	1·00	25	+ 14	Marlborough	4·1	0 0	33	5	17	45·1	•	45·3	•
a Wisley, Surrey	150	69	24th	29	26th	52·6	35·1	43·6	+ 0·1	3	0·54	14	+ 6	Salisbury	•	•	•	5	27	46·2	•	•	•
a Tunbridge Wells	354	70	24th	31	26, 27	52·4	35·6	43·8	+ 0·5	3	0·72	18	+ 8	Wisley	4 0	− 0·6	32	5	14	43·5	+0·4	44·0	+0·1
a Margate	51	63	24th	32	30th	49·3	38·4	43·7	− 0·3	3	0·52	13	+ 6	Tunbridge Wells	2·9	− 2·0	23	5	22	44·6	•	44·9	•
a Dungeness	21	58	24th	31	26th	49·6	37·1	43·2	0·0	2	0·71	18	+ 11	Margate	3·0	− 1·9	24	0	31	44·0	+0·2	45·8	+1·6
p St. Leonards	178	63	24th	33	26th	50 7	39·6	45·0	+ 1·1	2	0·42	11	+ 2	Folkestone	3·2	—	26	•	•	•	•	44·0	•
p Southampton	64	67	24th	30	26th	54·1	38·6	46·1	+ 0·9	4	0·80	20	+ 10	St. Leonards	4·3	− 1·0	35	2	30	44·5	•	44·5	•
a Ventnor	59	62	24th	32	26th	52·6	40·4	46·3	+ 1·0	4	0·67	17	+ 8	Southampton	6·3	+ 1·3	51	5	18	•	•	•	•
														Ventnor	6 1	+ 0·7	49	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	68	24th	32	26th	52·2	37·2	44·5	+ 0·5	4	0·66	17	+ 10	Richmond	3·5	− 0 8	28	5	23	43·7	+0·5	44·2	−0·2
a Westminster	27	59	24th	—	—	52·2	—	—	—	2	0·69	18	+ 11	Westminster	1·6	− 1·7	13	0	31	•	•	•	•
ag Greenwich	149	65	24th	33	26, 27, 30	51·9	35·9	44·2	− 0·4	2	0·70	18	+ 9	Greenwich	2·2	− 1 6	18	5	20	•	•	•	•
a Hampstead	450	70	24th	30	26th	52·7	37·3	44·8	—	2	0·66	17	—	Hampstead	3·7	—	30	4	23	•	•	•	•
ag Camden Square	110	59	24th	33	26th	53·1	37·6	45·1	+ 0·3	4	0·76	19	+ 11	Camden Square	1·9	− 1·8	15	4	27	•	•	•	•
7. *a*, ENGLAND, N.W.																						
c Aspatria (Mealsgate)	487	55	24th	30	26th	47 4	35·6	41·3	- 0·3	3	0·69	17	0	Aspatria	3·9	− 0·6	31	3	25	42·9	+0·2	43·0	−0·6
p Newton Rigg	559	61	24th	28	26th	49·9	33·4	41·4	+ 0·7	4	0·56	14	− 2	Newton Rigg	3·9	− 0·5	31	5	21	43·2	+1·8	41·8	+0·7
p Stonyhurst	375	56	24	30	25	48·7	36·7	42·5	+0·9	+1	1·3	29	+8	Stonyhurst	2·5	−0·4	31	2·2	22	•	•	•	•
p Blackpool	66	55	24th	29	26th	49·6	37·0	43·1	+ 0·7	4	0·86	22	+ 8	Blackpool	4·9	− 0·2	39	3	16	43 7	•	44·1	•
a Southport	37	55	24th	30	26th	49·6	37·1	43·2	+ 0·5	4	0·57	14	+ 1	Southport	5·4	+ 0·5	43	3	21	43·3	+0·7	43·5	+0·5
														Hoylake	5·5	+ 0·9	44	•	•	•	•	•	•
a Liverpool (Bidston)	188	56	24th	36	26, 27	49·9	39·0	44·3	+ 1·1	3	0·47	12	0	Liverpool	5·3	—	42	3	28	•	•	•	•
a Hawarden Bridge	22	61	24th	34	26th	51·7	38·3	44 8	+ 0·9	4	0·29	7	− 2	Manchester (City)	2·3	− 1·1	18	1	30	42·1	+0·8	44·3	+1·1
p Manchester (Whit. Pk.)	125	65	24th	32	26th	51·3	36·9	43·9	+ 0·3	4	0·74	19	+ 5	Whitworth Park	2·7	− 0·5	21	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	59	24th	33	26th	52 1	37·9	44·8	+ 0·8	4	0·51	13	0	Llandudno	5·2	+ 0·3	41	•	•	•	•	•	•
a Holyhead	15	59	24th	34	26th	50·9	39 7	45·1	+ 1·5	4	0·83	21	+ 6	Holyhead	4·6	—	37	4	22	•	•	•	•
a Beddgelert	309	63	24th	29	26th	51 0	35·6	43·1	—	4	3·58	88	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	23	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	57	24th	32	26th	50·0	37·9	43·8	—	4	1·19	30	—	Aberystwyth ..	5·2	+ 0·5	41	•	•	•	•	•	•
a Rhayader	757	64	24th	23	26th	50·3	30·4	40·1	—	4	1·63	43	—	Rhayader ..	4·3	—	35	5	17	•	•	•	•
a St. Ann's Head	149	58	24th	38	26, 27	50·6	39·9	44·8	+ 0·8	4	1·10	28	+ 16	Pembroke ..	7·2	+ 2·0	58	•	•	•	•	•	•
p Cardiff	202	69	24th	33	26th	52·4	37·7	44·8	+ 1·3	4	1·44	37	+ 21	Cardiff	4·5	—	36	4	25	45·2	+1·8	45·1	+1·1
b, ENGLAND, S.W.																							
a Bath	66	70	24th	31	26th	55·4	37·3	46·1	+ 2·2	4	0·52	13	+ 1	Bath	•	•	•	•	•	46·0	+1·9	46·0	+1·4
a Shaftesbury	722	69	24th	32	26th	53·1	39·1	45·9	+ 3·4	4	0·69	18	+ 6	Shaftesbury ..	•	•	•	•	•	47·2	•	45·5	•
a Arlington	613	68	24th	30	26th	52·7	38·0	45·1	+ 2·4	4	1·06	27	+ 8										
a Hartland Quay ..	100	62	24th	38	26, 27	52·7	42·6	47·5	—	4	0·59	15	—										
a Newquay	190	63	24th	35	24th	53·6	40·6	46·9	+ 1·6	4	0·66	17	+ 5	Newquay ..	7·6	+ 2·4	61	3	25	48·5	•	47·5	•
a Cullompton	202	70	24th	29	26th	56·3	37·0	46·4	+ 2·2	4	0·37	17	+ 3	Cullompton ..	6·3	+ 1·6	51	4	22	47·2	•	•	•
a Portland Bill	12	58	24th	39	26, 27	50·4	41·9	46·0	+ 1·5	4	0·71	18	+ 8	Weymouth ..	6·3	—	51	•	•	•	•	•	•
p Plymouth	116	65	24th	37	24th	55·1	41·6	48·2	+ 2·8	4	0·71	18	+ 4	Plymouth ..	7·3	+ 2·2	59	3	29	46·9	+1·1	47·0	•
a Falmouth	167	61	24th	35	24th	54·6	40·0	47·1	+ 1·7	4	0·95	24	+ 7	Falmouth ..	7·2	+ 1·8	58	2	27	50·0	•	48·9	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	52	27th	37	29th	48·6	40·0	44·2	+ 1·5	4	0·44	11	− 4	Malin Head ..	3·5	—	28	•	•	•	•	•	•
a Blacksod Point ..	327	52	27, 30	36	26th	49·9	39·4	44·5	+ 0·4	3	0·94	24	+ 10	Markree Castle	5·6	+ 1·4	44	4	20	46·7	+2·3	45·1	+0·6
p Markree Castle ..	122	59	27th	26	26th	54·1	35·9	44·7	+ 1·8	4	1·08	27	+ 7										
b, East .. { *p* Armagh	196	60	24th	30	26th	52·3	37·1	44·5	+ 1·9	4	0·83	21	+ 6	Armagh	4·1	0·0	33	3	24	45·1	+1·9	44·8	+1·0
a Donaghadee	101	57	27th	38	28th	50·1	39·0	44·4	+ 1·4	4	0·67	17	+ 2										
10. IRELAND, S.																							
p Dublin, City	47	56	24th	32	26th	53·1	39·9	46·3	+ 1·4	4	0·61	15	+ 2	Trinity Coll. ..	•	•	•	5	22	46·0	+1·6	46·5	+1·5
a Birr Castle	175	63	24th	27	26, 27	54·7	32·6	43·3	+ 0·1	4	1·42	36	+ 21	Phœnix Park ..	5·8	+ 1·0	46	6	15	•	•	•	•
a Kilkenny	212	65	24th	29	26th	56·0	36·6	46·0	+ 2·3	5	1·31	33	+ 18	Dublin City ..	•	•	•	1	29	•	•	•	•
a Waterford	20	62	24th	33	26th	54·4	38·3	46·1	+ 1·3	4	1·16	29	+ 12	Birr Castle ..	6·1	+ 1·7	48	3	21	•	•	•	•
p Seskin, Carrick-on-Suir	541	63	24th	33	26th	54·9	37·7	46·1	—	4	1·11	28	—	Seskin	6·6	—	53	5	20	•	•	•	•
a Cahir	199	65	24th	27	26th	55·6	33·4	44·2	+ 0·3	4	1·02	26	—										
a Foynes	50	60	24th	30	26th	54·7	38·4	46·3	+ 1·4	4	1·56	40	+ 22										
a Cahirciveen (Val. Obs.)	30	63	24th	35	26, 27	55·4	40·7	47·8	+ 2·0	5	2·09	53	+ 26	Cahirciveen ..	6·5	+ 1·7	52	0	32	•	•	•	•
a Killarney	174	71	24th	35	26th	58·9	41·4	49·9	+ 4·8	4	1·60	41	+ 14	Ballinacurra ..	6·3	+ 1·1	51	•	•	•	•	•	•
a Roche's Point	32	55	30th	38	26, 27	52·1	41·0	46·4	+ 1·2	6	1·48	38	+ 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	24th	43	27th	53·1	44·6	48·7	+ 1·7	4	0·39	10	− 2	Scilly	6·3	+ 0·8	51	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	24th	31	27th	53·6	40·4	46·8	+ 0·1	3	0·79	20	+ 8	St. Heliers ..	6·3	+ 0·4	51	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	64	24th	33	27th	53·4	41·7	47·4	+ 0·4	3	0·98	25	+ 12	Guernsey† ..	6·8	+ 0·9	55	1	24	47.4	+0·7	47·5	+0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 30th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	28	1	23, 28, 29	22	74	65	6	0	45	20	28	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	19	99	47	3	360	7	29	4	16	29	2	30
Aberdeen	153	105	52	—	—	—	—	34	102	32	0	360	9	29	3	16	29	3	5
Edinburgh	485	39	31	—	—	—	—	80	88	0	0	203	10	27	20	17	27	19	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	32	—	—	27 to 29	7	60	67	34	0	203	16	27	24	23	28	0	5
Paisley	188	81	52	—	—	—	—	4	119	45	0	203	7	27	21	14	27	23	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	28	89	51	0	326	10	29	10	18	29	8	55
South Shields	72	61	12	—	—	—	—	39	111	18	0	349	9	29	11	15	29	10	15
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	36	119	13	0	180	9	28	15	—	—	—	—
Gorleston	52	42	‡	—	—	28	8	46	79	21	14	180	15	28	15	19	28	15	20
Shoeburyness	103	90	‡	—	—	28	5	33	59	18	62	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	28	4	67	54	42	1	191	13	28	12	20	28	12	35
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	28	5	60	101	2	0	—	12	28	15	23	28	14	20
Brighton	261	53	6	—	—	28	4	61	68	35	0	—	13	28	14	19	28	13	5
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	28, 29	19	76	61	12	0	191	13	28	13	21	28	14	5
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	41	78	49	0	191	10	28	12	17	28	13	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	2	93	73	0	225	6	27	12	12	28	16	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	28, 29	7	69	82	10	0	337	12	29	1	—	—	—	—
Southport	80	62	48	—	—	27 to 30	17	76	62	13	0	236	13	28	18	18	28	18	10
Holyhead	60	40	‡	—	—	27 to 29	27	68	63	10	0	315	15	28	22	21	28	22	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	28	2	27, 28, 30	24	44	41	24	33	203	21	28	8	27	28	8	25
Plymouth	185	88	2	—	—	28	3	37	74	54	0	—	15	28	9	22	28	9	30
Lyme Regis	556	61	‡	—	—	28, 29	8	70	36	51	0	—	15	28	11	23	28	10	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	28 to 30	18	50	81	19	0	259	15	28	14	—	—	—	—
Quiity	100	40	‡‡	—	—	28	9	48	69	51	0	—	12	28	14	18	28	13	10
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	27	2	78	52	36	0	214	14	27	18	21	27	18	20
Weaver Pt.	160	30	‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	†	—	—	28 to 30	23	48	81	16	0	293	15	28	17	20	28	17	15

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTEENTH WEEK of 1918 –March 24th to March 30th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	32	80·8	75·1	77·9	+ 0·2	11	− 7	24	− 2	5	0	0·98	25	+ 4	1·5	−2·5	12	1007
Eastern.																			
1. SCOTLAND, EAST ...	62	23	81·8	74·5	78·1	+ 0·4	17	− 5	28	− 1	5	+ 1	0·63	16	+ 3	2·8	−1·3	22	1007
2. ENGLAND, N.E.	69	29	82·6	75·7	79·0	+ 0·4	27	+ 3	15	− 7	4	0	0·41	11	+ 1	2·6	−1·8	21	1009
3. ENGLAND, EAST ...	70	28	83·2	75·3	79·1	0·0	32	+ 2	17	− 6	4	+ 1	0·47	12	+ 4	3·2	−1·5	25	1011
4. MIDLAND COUNTIES ...	70	28	84·2	75·2	79·6	+ 0·6	38	+ 6	17	− 8	3	0	0·68	17	+ 7	3·5	−0·7	28	1011
5. ENGLAND, S.E.	71	27	84·2	75·7	79·8	+ 0·1	38	+ 6	14	− 3	3	0	0·68	17	+ 8	4·3	−0·6	34	1012
Western.																			
6. SCOTLAND, WEST ...	59	25	82·4	75·2	78·7	+ 0·2	27	+ 4	17	− 4	4	0	1·02	26	+ 6	3·8	−0·6	30	1008
7. ENGLAND, N.W.	65	28	83·2	75·7	79·3	+ 0·4	31	+ 7	14	− 5	4	0	0·57	14	+ 1	4·7	+0·3	38	1009
8. ENGLAND, S.W.	70	23	84·7	76·5	80·5	+ 0·8	40	+ 9	10	− 5	4	0	0·95	24	+ 9	6·4	+1·6	52	1012
9. IRELAND, NORTH ...	63	26	83·9	75·9	79·8	+ 0·6	36	+ 10	13	− 5	4	− 1	0·98	23	+ 5	4·9	+0·8	38	1008
10. IRELAND, SOUTH ...	71	27	85·8	76·3	80·9	+ 0·8	47	+ 13	11	− 3	4	0	1·36	35	+ 16	6·2	+1·5	50	1010
11. ENGLISH CHANNEL ...	66	31	84·9	78·7	81·7	+ 0·4	39	+ 2	0	− 4	3	− 1	0.72	18	+ 6	6·5	+0·7	52	1013

THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, March 3rd to March 30th, 1918.

0. SCOTLAND, NORTH ...	57	20	81·2	75·4	78·2	+ 1·1	66	+ 18	77	− 42	15	− 5	2·02	51	− 49	2·7	−0·5	23	1016
Eastern.																			
1. SCOTLAND, EAST ...	65	9	81·4	74·1	77·7	+ 0·5	73	+ 11	121	− 12	13	− 4	1·01	25	− 32	2·6	−1·0	22	1018
2. ENGLAND, N.E.	71	24	82·4	75·6	78·9	+ 0·9	105	+ 28	71	− 32	11	− 5	0·76	19	− 22	3·1	−0·9	27	1019
3. ENGLAND, EAST ...	72	22	83·3	74·8	78·9	+ 0·6	127	+ 31	84	− 22	10	− 4	0·74	19	− 20	4·3	+0·3	36	1019
4. MIDLAND COUNTIES ...	72	22	83·4	74·7	79·0	+ 0·8	130	+ 31	84	− 28	9	− 5	1·00	25	− 17	3·3	−0·3	28	1019
5. ENGLAND, S.E.	71	24	83·7	75·3	79·3	+ 0·5	136	+ 36	73	− 9	7	− 7	0·94	24	− 21	4·7	+0·6	40	1019
Western.																			
6. SCOTLAND, WEST ...	61	23	81·8	75·3	78·5	+ 0·5	80	+ 12	72	− 22	11	− 6	1·77	46	− 37	2·8	−0·9	24	1018
7. ENGLAND, N.W.	66	28	82·4	75·6	78·9	+ 0·6	101	+ 26	64	− 22	10	− 6	0·95	24	− 34	3·8	+0·1	32	1018
8. ENGLAND, S.W.	70	23	83·2	76·0	79·5	+ 0·5	119	+ 21	56	− 14	9	− 7	1·53	39	− 28	4·4	+0·3	37	1018
9. IRELAND, NORTH ...	65	23	83·0	75·7	79·3	+ 0·6	115	+ 31	64	− 18	10	− 9	1·34	34	− 33	4·1	+0·6	35	1016
10. IRELAND, SOUTH ...	71	23	84·0	76·5	80·2	+ 0·8	140	+ 29	50	− 14	14	− 2	2·34	59	− 12	4·6	+0·6	39	1017
11. ENGLISH CHANNEL ...	66	31	84·0	77·9	80·8	+ 0·3	135	+ 12	14	− 10	12	− 5	1·50	38	− 19	5·2	+0·3	44	1018

THE YEAR 1918.—Aggregates, &c., for the Period of 13 Weeks, December 30th, 1917, to March 30th, 1918.

0. SCOTLAND, NORTH ...	58	5	79·8	74·3	77·1	+ 0·5	160	+ 53	415	− 24	67	+ 1	15·36	389	+ 14	1·6	−0·3	17	1011
Eastern.																			
1. SCOTLAND, EAST ...	65	−3	79·8	73·6	76·7	+ 0·4	159	+ 34	477	− 30	53	0	6·77	171	− 13	2·0	−0·5	21	1013
2. ENGLAND, N.E.	71	9	80·7	74·9	77·8	+ 0·8	215	+ 56	333	− 75	46	− 4	4·59	115	− 15	2·3	−0·3	24	1016
3. ENGLAND, EAST ...	72	14	81·2	74·5	77·8	+ 0·7	249	+ 62	354	− 79	43	− 6	4·27	109	− 19	3·0	+0·2	30	1018
4. MIDLAND COUNTIES ...	72	12	81·4	74·8	78·1	+ 1·0	268	+ 68	335	−113	42	− 7	5·16	131	− 17	2·3	−0·1	23	1018
5. ENGLAND, S.E.	71	15	81·5	75·3	78·4	+ 0·6	272	+ 55	307	− 35	39	− 9	5·61	142	− 17	3·1	+0·3	31	1019
Western.																			
6. SCOTLAND, WEST ...	61	5	80·5	75·2	77·9	+ 0·5	195	+ 41	291	− 62	58	− 1	12·83	327	+ 19	1·8	−0·5	19	1015
7. ENGLAND, N.W.	66	12	81·3	75·9	78·6	+ 1·0	262	+ 95	227	−109	48	− 5	7·30	186	− 20	2·3	−0·1	24	1016
8. ENGLAND, S.W.	70	16	81·7	76·4	79·1	+ 0·8	307	+ 65	216	− 55	45	− 9	8·65	221	− 23	2·7	0·0	28	1018
9. IRELAND, NORTH ...	65	18	81·6	76·1	78·8	+ 0·7	293	+ 85	233	− 64	57	− 6	8·92	226	− 13	2·1	−0·2	22	1013
10. IRELAND, SOUTH ...	71	19	82·5	76·9	79·7	+ 0·8	382	+ 89	189	− 43	59	+ 2	11·29	287	+ 24	2·4	−0·3	25	1015
11. ENGLISH CHANNEL ...	66	26	82·6	78·0	80·3	+ 0.3	377	+ 37	86	− 16	49	−10	5·39	136	− 71	3·6	+0·3	36	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics
South Kensington, S.W. 7: April 4th, 1918.

EXAMINED BY
AUTHORITY FO
ISSUED ON

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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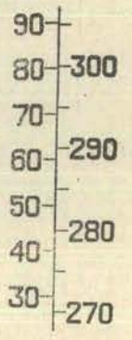
FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 14.

THE FOURTEENTH WEEK OF 1918.
SUNDAY, MARCH 31ST, TO SATURDAY, APRIL 6TH, 1918.

Price 6d., Post free
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first few days a rather important disturbance was passing from south-west to north-east across the British Islands and as it advanced the South-Westerly winds increased to gale force on the St. George's and Bristol Channels. Subsequently barometric pressure became high for a time over the North Sea region, but at the close of the week the South-Westerly to Westerly type of weather became re-established. The mean temperature for the week approximated very closely to the normal, the highest of the maxima over England and Ireland were mostly between 286 a. and 289 a., but in some parts of Scotland and north-eastern England they did not exceed 283 a. The lowest minima of the week occurred mostly on April 3rd, when the thermometer in the screen registered 270 a. in many inland districts of Great Britain and Ireland, the lowest being 269 a. at West Linton (Pentland Hills). The thermometer on the grass registered 264 a. at Phœnix Park, Dublin, on the 3rd, and 265 a. at Raunds (Northants) and West Linton. The number of rain-days was rather large, five or six generally, and the total precipitation (in many places snow, sleet or hail fell) was slightly above normal except in Scotland. The daily amount of bright sunshine varied from about 3½ hrs. to 4½ hrs. generally, and was below normal except in Scotland North, and the Channel Islands; in the latter district the daily mean was 6·0 hr. Slight thunderstorms or thunder only were reported in many places early in the week. A good deal of fog prevailed over the eastern parts of Great Britain on the morning of the 31st. There were displays of Aurora Borealis in various parts of Scotland on the 3rd, 5th, and 6th; on the 5th the phenomenon was also witnessed at Oxford. Solar halos were observed in many places from the 31st March to 3rd April, and a lunar halo at Portland Bill on the 2nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	4·9	12	4·0	19	3·2	12	4·8	10	2·7	7	5·1	7	3·0	6	2·2
North	4	1·3	11	2·2	7	5·2	9	2·4	11	3·8	13	4·5	4	5·0	14	3·6
West	5	2·9	17	4·4	15	2·3	13	2·7	14	5·6	18	7·9	16	6·8	13	4·6
East	18	4·5	10	3·6	10	4·0	9	3·1	9	7·6	8	4·6	10	6·2	7	6·7
Calm	2	—	0	—	0	—	5	—	4	—	1	—	2	—	7	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 5 weeks from Mar. 3rd, 1918.	Warmth ...	2, 3, 0	1, 3, 1	2, 3, 0	2, 3, 0	2, 3, 0	2, 3, 0	1, 4, 0	2, 3, 0	2, 3, 0	2, 2, 1	2, 2, 1	0, 5, 0
	Rainfall ...	0, 2, 3	1, 1, 3	1, 1, 3	1, 2, 2	2, 0, 3	2, 0, 3	1, 1, 3	0, 2, 3	2, 0, 3	1, 1, 3	1, 2, 2	1, 3, 1
	Sunshine ...	2, 1, 2	0, 3, 2	1, 0, 4	1, 2, 2	1, 0, 4	2, 3, 0	0, 3, 2	1, 3, 1	1, 3, 1	1, 3, 1	2, 1, 2	0, 5, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(16881—19.) Wt. 199—789. 450. 4/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.												Grass Min.		Earth 1 ft.		Earth 4 ft	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°K.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick	54	47	2nd	32	4th	44·3	37·9	41·0	+ 0·6	5	0·79	20	+ 6										
p Deerness	160	50	6th	37	3rd	46·0	39·1	42·4	—	4	0·51	13	0	Deerness ..	4·1	+ 0·3	31	•	•	•	•	•	•
a Stornoway	51	51	4th	32	3rd	48·6	37·1	42·6	+ 0·5	4	0·47	12	− 7	Stornoway ..	5·1	+ 0·1	39	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	49	31, 1, 5, 6	38	3rd	48·1	41·4	44·6	—	5	0·59	15	—	Castlebay ..	6·7	—	51	•	•	•	•	•	•
b, Main-land. *a* Wick	81	50	6th	29	4th	46·7	36·7	41·5	− 0·1	4	0·17	4	− 8										
p Glencarron	500	50	5th	31	3rd	46·6	35·0	40·5	− 1·4	5	1·70	43	+ 6										
p Fort Augustus ..	68	53	4th	30	3rd	49·0	35·6	42·0	− 0·3	2	0·41	10	− 6	Fort Augustus..	4·3	+ 0·5	33	•	•	•	•	•	•
p Fort William	171	53	3rd	28	3rd	49·3	35·7	42·2	− 1·1	4	0·89	23	− 6										
1. SCOTLAND, E.																							
a Nairn	82	55	5, 6	28	4th	49·7	34·4	41·7	− 0·6	3	0·36	9	+ 1	Nairn	5·2	—	40	•	•	•	•	•	•
p Gordon Castle ..	101	56	6th	30	5th	50·0	35 6	42·5	− 0·2	4	0·28	7	− 2	Gordon Castle..	4·5	—	34	•	•	•	•	•	•
a Aberdeen	46	53	2nd	34	3rd	48·6	38·3	43·2	+ 0·9	3	0·15	4	− 6	Aberdeen ..	4·6	− 0·8	35	2	29	•	•	42·3	+1·0
a Balmoral	930	50	6th	27	3, 5	46·3	31·3	38·4	− 0·5	4	0·28	7	− 5	Balmoral ..	•	•	•	5	24	•	•	•	•
p Crieff	432	52	6th	29	3rd	48·0	33·7	40·5	− 2·4	5	0·23	6	− 6	Crathes	3·9	− 1·2	30	3	25	42·3	+0·9	41·9	+1·3
a Dundee	244	53	6th	30	3rd	49·9	36·0	42·6	+ 0·1	4	0·64	14	+ 5	Dundee	3·6	—	27	3	23	42·9	•	•	•
a Leith	30	55	5th	34	5th	50·0	37·0	43·2	− 0·7	4	0·28	7	0	Leith	•	•	•	2	27	•	•	•	•
p Edinburgh	441	54	5th	34	3rd	49·3	37·7	43·2	+ 0·8	4	0·23	6	− 1	Edinburgh ..	3·2	− 1·6	25	3	22	•	•	•	•
a West Linton	769	51	5th	24	5th	46·9	32·6	39·4	− 0·3	3	0·35	9	—	West Linton ..	2·8	—	21	3	18	•	•	•	•
p Marchmont	498	54	5th	33	2, 3	48·3	36·7	42·2	+ 0·5	5	0·42	11	0	Marchmont ..	2·8	− 2·1	21	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	51	3rd	29	3rd	48·9	35·4	41·8	—	5	1·07	27	—	Ford (Argyll) ..	•	•	•	4	23	42·3	•	42·8	•
p Glasgow Observatory	180	50	31, 6	32	3rd	48·4	37·9	42·9	− 0·8	4	0·22	6	− 6	Glasgow.. ..	2·6	− 1·6	20	3	24	•	•	•	•
p Rothesay	200	51	2nd	34	3rd	48·3	37·6	42·7	− 1·4	5	0·68	17	0	Rothesay ..	3·5	—	27	3	27	42·6	•	44·0	+0·8
a Kilmarnock	90	55	3rd	31	3rd	51·3	37·4	44·0	+ 1·0	1	0·25	6	− 6	Kilmarnock ..	3·6	—	28	•	•	43·1	•	43·7	•
a Colmonell	170	55	3rd	30	3rd	51·3	37·1	43·9	+ 0·5	4	0·26	7	− 7	Colmonell ..	•	•	•	2	25	•	•	•	•
p Cally, Gatehouse ..	120	54	3rd	28	3rd	50·9	33·7	41·9	− 1·3	3	0·97	25	+ 8	Dumfries ..	3·2	—	25	5	17	43·0	+0·1	43·4	+0·3
p Dumfries	160	52	3rd	30	5th	49·9	35·7	42·5	− 1·4	3	0·32	8	− 5	Eskdalemuir ..	2·5	—	19	4	19	•	•	•	•
a Eskdalemuir	794	49	1st	24	3rd	46·6	29·4	37·6	—	4	0·56	14	—										
b. I. OF MAN *p* Douglas	277	50	2nd	34	3rd	48·3	39·4	43·6	− 0·4	4	0·52	13	− 1	Douglas	4·8	− 1·4	37	2	28	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle ..	210	51	6th	34	3, 4	46·6	36·9	41·5	− 0·7	4	0·49	13	+ 4										
a Tynemouth	71	50	6th	37	2, 3	48·3	38·4	42·2	− 0·4	3	0·55	14	+ 7	Cockle Park ..	2·2	− 3·1	17	3	25	41·2	−0·1	42·1	+0·3
p Durham	336	50	1, 5, 6	30	3rd	47·4	36·1	41·5	− 0·8	5	0·65	17	+ 9	Durham ..	2·4	− 2·6	18	3	25	•	•	•	•
p Rounton ..	249	51	5th	32	3rd	48·7	36·6	42·4	+ 0·2	5	0·75	19	+ 11	Rounton ..	•	•	•	5	25	42·3	•	•	•
a West Witton	605	52	5th	32	3rd	49·3	36·7	42·7	—	5	0·48	12	—	West Witton ..	•	•	•	4	25	41·8	•	41·0	•
p Scarborough	100	52	2nd	40	2, 3	49·1	41·6	45·2	+ 1·8	7	1·19	30	+ 22	Scarborough† ..	2·4	− 3·1	18	•	•	•	•	43·0	•
p York	56	54	31st	33	3, 4	50·6	37·4	43·7	− 0·4	6	0·53	13	+ 6	York	1·9	− 2·9	15	•	•	43·0	−0·3	43 3	+0·4
b, South .. *a* Spurn Head	26	51	31, 2, 3	36	3rd	49·1	38·3	43·4	+ 0·1	5	0·55	14	+ 9	Spurn Head ..	2·9	—	22	•	•	•	•	•	•
a Lincoln	58	55	31st	34	3rd	53·1	36 3	44·3	0·0	5	0·38	10	+ 3	Lincoln	•	•	•	3	26	43·5	−0·9	44·0	+1·1
a Fulbeck	180	55	31, 5	33	3rd	52·6	37·3	44·6	+ 0·3	6	0·27	7	0	Rauceby ..	5·4	− 0·4	42	•	•	44·5	−0·2	44 3	+0·3
														Skegness ..	4·9	− 1·2	38	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	57	2nd	35	3, 6	51·7	36·7	43·8	+ 0·1	4	0·19	5	− 1	Cromer	5·2	− 0·6	40	•	•	•	•	•	•
a Little Massingham ..	280	55	31, 3	31	3rd	51·6	34·6	42·7	− 1·3	4	0·47	12	+ 4	Lit. Massingham	4·8	− 0·6	37	•	•	•	•	•	•
a Yarmouth	13	55	2, 3	35	4th	51·7	37·7	44·4	+ 1·1	4	0·39	10	+ 3	Yarmouth ..	3·9	—	30	0	32	45·0	−0·1	45·0	−0·6
a Norwich	93	58	2nd	32	3rd	53 7	37·0	45·0	+ 0·7	4	0·30	8	0	Norwich ..	4·2	—	32	5	27	43·8	•	•	•
a Geldeston	37	58	31, 2	31	3rd	54·3	35·6	44·5	+ 0·5	4	0·38	10	+ 3	Geldeston ..	3·9	− 1·8	30	•	•	•	•	•	•
p Cambridge	41	57	31, 2	30	3rd	53·7	35·1	44·0	− 0·7	4	0·45	11	+ 4	Cambridge ..	4·2	− 1·4	32	5	23	44·7	−0·4	44·7	−0·3
a Clacton-on-Sea ..	54	55	1st	35	3rd	50·0	39·4	44·5	+ 0·6	3	0·22	6	0	Clacton	4·8	− 1·3	37	2	26	45·6	+0·3	45·7	−0·2
a Rothamsted	424	52	31, 1, 2	28	3rd	50·9	35·6	42·9	− 0·9	5	0·54	14	+ 6	Rothamsted ..	4·3	− 1·0	33	4	22	43·0	•	•	•
p Tottenham	51	54	31, 1-3	35	3rd	53·1	40·1	46·3	—	5	0·41	10	—	Tottenham ..	2·9	—	22	1	30	•	•	45·3	+0 3
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	51	1, 5	32	4th	48·9	36·1	42·2	− 0·4	4	0·44	11	+ 1	Harrogate ..	3·1	− 2·2	24	3	26	42·0	+0·3	42·7	+0·7
p Sheffield	429	53	3rd	35	3rd	50 6	38·3	44·2	—	5	0·53	14	—	Sheffield ..	2 5	− 2·2	19	1	28	42·0	−0·2	42 6	+0·6
p Buxton	987	53	5th	31	3, 5	47 4	35·0	40·9	—	5	1·59	40	+ 23	Buxton	3·3	—	26	3	27	40·9	−0·7	41·9	+0·1
a Bawtry	65	55	5th	30	3, 4	52·7	35 7	43·8	− 0·6	5	0·73	19	+ 11	Worksop ..	4·1	− 0·5	32	4	21	43·5	•	43·8	•
a Nottingham	82	56	5th	32	2, 3	52·6	38·4	44·1	− 0·2	5	0·33	9	+ 1	Nottingham ..	3·8	− 1·2	29	3	23	43·2	+0·2	42·7	+0·7
b, East .. *p* Birmingham, Edgbas.	535	56	5th	34	3rd	51·9	37·7	44·5	+ 0·4	5	0·74	19	+ 10	Birmingham ..	3·7	− 0·3	28	2	22	43·2	+0·7	44·3	+0·5
a Raunds	203	56	31, 1, 5	28	3rd	54·4	35·1	44·3	− 0·2	4	0·44	11	+ 3	Raunds	4·9	—	38	6	18	43·8	•	44·0	•
p Oxford	208	56	5th	31	3rd	52·6	39·1	45·5	+ 0·3	5	0·59	15	+ 6	Oxford	3·6	− 1·6	28	1	29	•	•	•	•
a Cheadle (N. Staffs.)	646	55	5th	31	3, 5	49·9	35·6	42·4	− 0·6	5	0·91	23	+ 12	Cheadle	•	•	•	3	27	•	•	•	•
p Shrewsbury	191	54	3rd	29	3, 5	51·7	36·7	43·8	− 1·0	5	0·67	17	+ 9	Shrewsbury ..	•	•	•	2	26	•	•	•	•
c, West .. *a* Hereford§	291	58	5th	28	3rd	53·3	38·0	45·3	+ 0·3	6	0·41	10	+ 1	Malvern ..	5·9	—	45	2	27	44·4	•	44·9	•
a Clifton	229	57	5th	34	3rd	52·9	39·9	46·1	+ 0·2	7	1·07	27	+ 13	Clifton	4·0	—	31	0	31	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	56	5th	28	3rd	51·6	33·6	42·2	− 1·7	6	1·29	33	+ 23	Worthing ..	6·1	2.0	46	•	•	•	•	—	—
p Salisbury (Wilton) ..	180	58	5th	28	3rd	53·0	36·0	44·1	− 0·9	5	0·97	25	+ 14	Marlborough ..	3·9	− 0·8	39	6	22	45·5	•	45·8	•
a Wisley, Surrey ..	150	55	1, 5	30	3rd	53·1	38 9	45 7	+ 0·4	5	0·51	13	+ 6	Salisbury ..	•	•	•	3	26	46·5	•	•	•
a Tunbridge Wells ..	354	56	1st	32	3rd	52·0	38·9	45·1	0·0	3	0·35	9	0	Wisley	4·3	− 0·9	33	5	19	44·7	+0·4	44·3	−0·2
a Margate	51	56	2nd	37	3rd	51·9	40·9	46·1	+ 0·5	3	0·34	9	+ 2	Tunbridge Wells	3·6	− 2·0	28	3	21	45 2	+2·0	45·0	•
a Dungeness	21	51	31, 1, 2	34	3rd	49·7	40·3	44·8	0·0	4	0 32	8	+ 1	Margate	4·7	− 0·9	36	0	31	46·5	+1·7	46·2	+1·4
p St. Leonards	178	51	1-3, 5	38	3rd	50 3	41 6	45·7	+ 0·1	5	0·36	9	+ 1	Folkestone ..	4·7	—	36	•	•	•	•	44·3	•
p Southampton	64	59	5th	31	3rd	53·3	40·1	46·4	− 0·6	7	0·56	14	+ 5	St. Leonards ..	5·5	− 0·5	43	1	30	46·6	•	45·1	•
a Ventnor	59	57	5th	38	3rd	52·0	42·4	47·0	+ 0·2	5	0·63	16	+ 8	Southampton ..	4·2	− 1·5	33	3	23	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	56	3rd	31	3rd	53·5	39·4	46·1	+ 0·3	4	0·43	11	+ 4	Ventnor	5 0	− 1·1	39	•	•	•	•	•	•
a Westminster	27	57	31st	—	—	54·7	—	—	—	4	0·39	10	+ 3	Richmond ..	3·7	− 1 4	29	4	24	44·8	+0·4	44·6	−0·3
ag Greenwich	149	57	1-3	32	3rd	54·7	38 9	46·4	+ 1·2	6	0·40	10	+ 1	Westminster ..	4·1	+ 0·1	32	1	30	•	•	•	•
a Hampstead	450	53	2, 5	32	3rd	51·3	37·9	44·3	—	5	0·48	12	—	Greenwich ..	4·4	+ 0·2	34	3	24	•	•	•	•
ag Camden Square ..	110	56	1-3, 6	32	3rd	54·9	38·1	46·1	− 0·6	5	0·46	12	+ 4	Hampstead ..	3·4	—	26	4	23	•	•	•	•
														Camden Square	3·1	− 1·3	24	1	29	•	•	•	•
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	54	5th	32	5th	48 7	36·6	42·4	− 0·7	4	0·50	13	+ 1	Aspatria	4·4	− 0·8	34	3	28	43·1	−0·8	43·3	−0·6
p Newton Rigg	559	53	5th	28	5th	49·4	34·4	41·5	− 0·7	5	0·53	13	+ 2	Newton Rigg ..	2·7	− 2·4	21	5	22	42·5	−0·2	42·3	+0·6
p Stonyhurst	375	54	6th	35	3rd	49·4	38·7	43·8	+ 0·7	4	0·90	23	+ 8	Stonyhurst ..	3·5	− 1·5	27	2	26	•	•	•	•
p Blackpool	66	56	5th	36	3rd	50·7	39·6	44·9	+ 1·1	5	0·59	15	+ 5	Blackpool ..	3·8	− 2·3	28	2	24	44 1	•	44·4	•
p Southport	37	57	5th	35	4, 5	50·1	38·3	43·9	− 0·2	5	0·66	17	+ 7	Southport ..	2·7	− 3·9	21	2	27	43·3	−0·8	44·2	+0·3
														Hoylake ..	3·1	− 2 3	24	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	54	5th	37	3, 5	49·9	38·9	44·1	− 0·6	5	0·56	14	+ 5	Liverpool ..	2·8	—	22	0	31	•	•	•	•
a Hawarden Bridge ..	22	57	5th	35	2nd	52·1	40·7	46·1	+ 0·7	3	0·42	11	+ 4	Manchester (City)	1·8	− 2·4	14	0	32	42·1	−0·3	44·8	+1·1
p Manchester (Whit. Pk.)	125	56	5th	36	3, 5	50·4	39·8	44·6	− 0·5	5	0·98	25	+ 14	Whitworth Park	2·6	− 1·6	18	0	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno ..	16	56	5th	34	3rd	50·7	40·1	45·2	− 0·1	5	0·70	18	+ 9	Llandudno ..	3·4	− 2 4	26	•	•	•	•	•	•
a Holyhead ..	14	52	5th	37	3rd	50·9	41·0	45·7	+ 0·8	5	0·79	20	+ 9	Holyhead ..	4·8	—	37	0	34	•	•	•	•
a Beddgelert	309	53	3rd	34	3rd	50·0	38·7	44·1	—	5	2·58	66	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.	in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES																						
a Aberystwyth	59	53	3,5	36	3rd	49·4	41·1	45·1	—	5	0·94	24	—	Aberystwyth ..	2·7	- 2·4	21	•	•	•	•	•	•
a Rhayader	757	54	5th	27	3rd	48·3	35·0	41·3	—	7	1·28	32	—	Rhayader ..	2·9	—	22	3	20	•	•	•	•
a St. Ann's Head	149	53	4th	39	3rd	48·0	42·1	45·4	+ 0·3	5	0·94	24	+ 13	Pembroke ..	4·3	- 1·3	33	•	•	•	•	•	•
p Cardiff	202	56	5th	32	3rd	52·3	39·3	45·5	+ 0·6	6	1·42	36	+ 22	Cardiff	4·2	—	33	1	26	45·8	+1·2	45·7	+1·1
b ENGLAND S.W.																						
a Bath	66	59	5th	30	3rd	53·6	37·3	45·1	- 0·2	7	0·88	22	+ 12	Bath	•	•	•	•	•	46·9	+1·6	46·5	+1·2
a Shaftesbury	723	57	5th	32	5th	50·3	37·6	43·7	- 0·3	4	0·19	5	- 6	Shaftesbury ..	•	•	•	•	•	45·7	•	46·0	•
a Arlington	613	57	5th	30	3rd	50·7	39·3	44·7	+ 0·6	6	1·70	43	+ 26										
a Hartland Quay ..	100	54	4,5	37	3rd	50·9	42·6	46·8	—	6	0·98	25	—										
a Newquay	190	56	4th	35	3rd	51·7	43·0	47·1	+ 0·7	7	0·89	23	+ 12	Newquay ..	5·0	- 0·5	39	1	22	50·0	•	48·2	•
a Cullompton	202	61	5th	29	3rd	53·4	38·0	45·3	- 0·3	6	0·93	24	+ 12	Cullompton ..	3·6	- 1·3	28	3	25	47·4	•	•	•
a Portland Bill	19	53	5th	41	5,6	49·7	43·3	46·4	+ 0·8	3	0·47	12	+ 3	Weymouth ..	4·7	—	36	•	•	•	•	•	•
p Plymouth	116	54	2,5	37	3rd	52·7	43·1	47·7	+ 1·0	6	0·74	19	+ 7	Plymouth ..	4·9	- 0·6	38	0	32	48·6	+1·5	47·6	•
a Falmouth ..	167	55	5th	38	3rd	52·1	43·6	47·7	+ 1·2	7	0·93	24	+ 10	Falmouth ..	4·3	- 1·5	33	1	29	50·5	•	49·8	•
9. IRELAND, N.																						
West .. *a* Malin Head ..	208	50	5th	37	3rd	48·0	39·7	43·7	- 0·1	5	0·51	13	+ 2	Malin Head ..	6·4	—	49	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	51	3-5	35	3rd	49·9	39·9	44·7	- 0·6	6	0·76	19	+ 4	Markree Castle	4·3	- 0·6	33	2	20	46·5	+0·9	45·9	+1·0
West .. *p* Markree Castle ..	122	55	5th	26	3rd	52·0	37·0	44·1	- 0·1	6	0·48	12	- 4										
b, East .. *p* Armagh	196	53	1st	30	3rd	51·0	37·4	43·9	0·0	6	0·66	15	+ 3	Armagh	5·3	+ 0·5	41	2	23	45·1	+0·8	45·1	+0·7
b, East .. *a* Donaghadee ..	101	52	5th	35	3,4	49·3	38·4	43·6	- 0·5	5	0·39	10	- 1										
10. IRELAND, S.																						
p Dublin, City	47	57	5th	34	3rd	51·7	41·1	46·2	0·0	4	0·63	17	+ 7	Trinity Coll. ..	•	•	•	2	19	46·3	+1·0	46·9	+1·4
a Birr Castle	175	54	5th	31	3rd	51·6	38·9	44·8	+ 0·2	4	0·55	14	+ 2	Phœnix Park ..	4·2	- 1·1	32	4	16	•	•	•	•
a Kilkenny	212	56	5th	31	3rd	51·1	40·0	45·3	+ 0·3	4	0·68	17	+ 5	Dublin City ..	•	•	•	1	29	•	•	•	•
a Waterford	20	53	1,5,6	33	3rd	51·4	41·4	46·2	+ 0·2	6	0·59	15	+ 1	Birr Castle ..	4·4	- 0·5	34	1	23	•	•	•	•
p Seskin, Carrick-on-Suir	541	54	5th	34	3rd	49·6	38·9	44·0	—	5	0·87	22	—	Seskin	4·0	—	31	1	29	•	•	•	•
a Cahir	198	54	5th	31	3rd	50·7	40·0	45·1	- 0·1	5	0·93	24	—										
a Foynes	50	55	5th	33	3rd	51·0	40·6	45·6	- 0·5	6	0·69	17	+ 3										
a Cahirciveen (Val. Obs.)	30	54	5th	39	2nd	50·1	42·4	46·1	- 0·7	4	1·03	26	+ 5	Cahirciveen ..	3·5	- 1·7	27	0	34	•	•	•	•
a Killarney	174	58	4th	36	3rd	53·4	41·5	47·2	+ 1·0	7	1·15	29	+ 10	Ballinacurra ..	2·7	- 2·8	21	•	•				
a Roche's Point	32	52	1, 2, 5, 6	38	2nd	50·6	41·9	46·0	- 0·3	7	0·99	25	+ 10		3.2	4	5						
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	56	4,5	42	3rd	53·3	44·7	48·8	+ 1·2	7	0·38	10	0	Scilly	6·3	+ 0·7	49	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	57	4th	43	2, 3, 6	53·0	44·4	48·5	+ 0·8	4	0·44	11	+ 1	St. Heliers ..	5·3	- 0·7	41	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	60	4th	42	3 2nd	54·4	44·3	49·1	+ 1·3	3	0·46	12	+ 1	Guernsey† ..	6·3	+ 0·3	49	0	33	48·6	+0·9	48·0	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 6th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	Ft.	Ft.	Ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	30, 31, 5	28	70	60	10	0	157	13	5	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	10	105	53	0	157	8	5	14	15	5	10	50
Aberdeen	153	105	52	—	—	—	—	23	113	32	0	169	10	5	12	17	5	12	40
Edinburgh	485	39	31	—	—	5	4	61	103	0	0	203	13	5	19	21	5	18	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	55	78	35	0	293	10	1	19	15	1	18	55
Paisley	188	81	52	—	—	—	—	9	106	53	0	203	8	5	16	15	5	15	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	5	76	87	0	146	7	5	12	11	5	12	5
South Shields	72	61	12	—	—	—	—	18	113	37	0	293	9	6	24	13	8	23	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	53	115	0	0	56	10	4	8	—	—	—	—
Gorleston	52	42	‡	—	—	31, 6	4	66	70	6	22	180	12	6	15	15	31	16	25
Shoeburyness	103	90	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	31	7	53	73	35	0	203	13	31	12	22	31	12	15
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	31	4	69	95	0	0	—	12	31	15	21	31	10	55
Brighton	281	53	6	—	—	—	—	83	64	21	0	—	9	5	7	15	5	6	50
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	31, 2, 6	5	67	58	13	25	180	12	31	10	19	31	10	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	45	87	36	0	203	10	31	10	19	31	11	25
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	16	83	69	0	259	8	1	13	13	6	20	55
Fleetwood (Cup Anr.) ..	109	44	—	—	—	1, 6	3	50	107	8	0	281	12	6	24	—	—	—	—
Southport	80	62	48	—	—	1, 6	6	88	73	1	0	270	11	1	16	16	1	16	5
Holyhead	60	40	‡	—	—	31, 1, 3, 4, 6	25	89	41	13	0	90	14	4	7	18	4	7	15
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	31	6	31, 3, 6	23	44	59	36	0	225	22	31	2	32	31	3	0
Plymouth	185	88	2	—	—	31, 6	9	30	97	—	—	—	14	31	4	20	31	4	20
Lyme Regis	556	61	‡	—	—	31	6	77	54	31	0	—	13	31	7	18	31	3	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	1, 3, 4, 6	22	90	36	20	0	90	12	4	4	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	3, 5, 6	18	74	42	34	0	—	13	6	21	21	6	22	5
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	—	3	5	85	53	25	0	101	15	3	21	24	3	17	35
Weaver Pt.	160	30	‡	—	—	3	15	46	65	42	0	—	13	3	19	22	3	18	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	31	1	31, 3, 6	21	72	55	19	0	247	18	31	1	27	31	1	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops o trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTEENTH WEEK of 1918—March 31st to April 6th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	28	81·6	75·4	78·4	0·0	15	− 7	22	0	4	0	0·74	19	− 1	4·[illegible]	+0·[illegible]	3[illegible]	1003
Eastern.																			
1. SCOTLAND, EAST ...	56	24	82·2	74·7	78·2	− 0·4	18	− 8	27	+ 2	4	0	0·29	7	− 3	3·9	−1·1	30	1004
2. ENGLAND, N.E.	55	30	82·6	76·2	79·2	0·0	26	− 2	12	− 6	5	+ 2	0·60	15	+ 8	3·2	−2·3	25	1005
3. ENGLAND, EAST ...	58	28	84·3	75·7	79·8	+ 0·1	37	+ 2	14	− 4	4	+ 1	0·37	10	+ 3	4·3	−1·4	33	1007
4. MIDLAND COUNTIES ...	58	28	84·2	75·8	79·8	0·0	36	− 2	14	− 6	5	+ 2	0·63	16	+ 7	3·5	−1·5	27	1006
5. ENGLAND, S.E.	59	28	84·1	77·0	80·4	− 0·2	35	− 3	8	− 3	5	+ 2	0·58	15	+ 7	4·4	−1·2	34	1006
Western.																			
6. SCOTLAND, WEST ...	55	28	82·8	75·7	79·1	− 0·4	28	0	15	− 2	4	0	0·54	14	− 2	3·7	−1·5	29	1004
7. ENGLAND, N.W.	57	28	83·1	76·7	79·8	+ 0·1	29	− 1	9	− 6	5	+ 2	0·67	17	+ 6	3·4	−1·8	26	1004
8. ENGLAND, S.W.	61	27	83·7	77·4	80·4	0·0	32	− 4	6	− 3	6	+ 3	0·95	24	+ 11	4·0	−1·2	31	1005
9. IRELAND, NORTH ...	55	26	83·2	76·6	79·7	− 0·1	29	− 2	10	− 3	5	+ 1	0·55	14	0	4·8	0·0	37	1004
10. IRELAND, SOUTH ...	58	31	83·7	77·9	80·7	0·0	32	− 6	3	− 6	5	+ 1	0·81	20	+ 6	3·7	−1·5	29	1005
11. ENGLISH CHANNEL ...	60	42	85·0	79·9	82·3	+ 0·6	48	+ 6	0	− 2	5	+ 1	0·43	11	+ 1	6·0	0·0	46	1007

THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, March 3rd to April 6th, 1918.

0. SCOTLAND, NORTH ...	57	20	81·3	75·4	78·3	+ 1·0	81	+ 11	99	− 42	19	− 5	2·76	70	− 50	3·1	−0·3	26	1014
Eastern.																			
1. SCOTLAND, EAST ...	65	9	81·5	74·2	77·8	+ 0·4	91	+ 3	148	− 10	17	− 4	1·30	32	− 35	2·8	−1·1	24	1015
2. ENGLAND, N.E.	71	24	82·5	75·7	78·9	+ 0·7	131	+ 26	83	− 38	16	− 3	1·36	34	− 14	3·2	−1·1	26	1016
3. ENGLAND, EAST ...	72	22	83·5	74·9	79·1	+ 0·6	164	+ 33	98	− 26	14	− 3	1·11	29	− 17	4·3	−0·1	35	1016
4. MIDLAND COUNTIES ...	72	22	83·6	74·9	79·1	+ 0·6	166	+ 29	98	− 34	14	− 3	1·63	41	− 10	3·3	−0·6	28	1016
5. ENGLAND, S.E.	71	24	83·8	75·6	79·5	+ 0·3	171	+ 33	81	− 12	12	− 5	1·52	39	− 14	4·7	+0·3	39	1016
Western.																			
6. SCOTLAND WEST ...	61	23	82·0	75·4	78·6	+ 0·3	108	+ 12	87	− 24	15	− 6	2·31	60	− 39	3·0	−1·0	25	1015
7. ENGLAND, N.W.	66	28	82·5	75·8	79·1	+ 0·5	130	+ 25	73	− 28	15	− 4	1·62	41	− 28	3·7	−0·3	31	1015
8. ENGLAND, S.W.	70	23	83·3	76·3	79·7	+ 0·4	151	+ 17	62	− 17	15	− 4	2·48	63	− 17	4·3	0·0	36	1016
9. IRELAND, NORTH ...	65	23	83·0	75·9	79·4	+ 0·5	144	+ 29	74	− 21	15	− 8	1·80	48	− 32	4·2	+0·4	35	1013
10. IRELAND, SOUTH ...	71	23	84·0	76·8	80·3	+ 0·6	172	+ 23	53	− 20	19	− 1	3·15	79	− 6	4·4	+0·1	37	1014
11. ENGLISH CHANNEL ...	66	31	84·2	78·3	81·1	+ 0·4	183	+ 18	14	− 12	17	− 4	1·93	49	− 18	5·3	+0·2	44	1016

THE YEAR 1918.—Aggregates, &c., for the Period of 14 Weeks, December 30th, 1917, to April 6th, 1918.

0. SCOTLAND, NORTH ...	58	5	79·9	74·4	77·2	+ 0·5	175	+ 46	437	− 24	71	+ 1	16·10	408	+ 13	1·8	−0·3	19	1011
Eastern.																			
1. SCOTLAND, EAST ...	65	−3	80·0	73·7	76·8	+ 0·3	177	+ 26	504	− 28	57	0	7·06	178	− 16	2·1	−0·6	22	1013
2. ENGLAND, N.E.	71	9	80·8	75·0	77·9	+ 0·7	241	+ 54	345	− 81	51	− 2	5·19	130	− 7	2·4	−0·4	24	1015
3. ENGLAND, EAST ...	72	14	81·4	74·6	78·0	+ 0·7	286	+ 64	368	− 83	47	− 5	4·64	119	− 16	3·1	+0·1	31	1018
4. MIDLAND COUNTIES ...	72	12	81·6	74·9	78·3	+ 1·0	304	+ 66	349	−119	47	− 5	5·79	147	− 10	2·4	−0·2	24	1017
5. ENGLAND, S.E.	71	15	81·7	75·4	78·5	+ 0·5	307	+ 52	315	− 38	44	− 7	6·19	157	− 10	3·2	+0·2	32	1018
Western.																			
6. SCOTLAND, WEST ...	61	5	80·7	75·3	78·0	+ 0·5	223	+ 41	306	− 64	62	− 1	13·37	341	+ 17	2·0	−0·5	20	1014
7. ENGLAND, N.W.	66	12	81·4	76·0	78·7	+ 1·0	291	+ 94	236	−115	53	− 3	7·97	203	− 14	2·4	−0·2	24	1015
8. ENGLAND, S.W.	70	16	81·8	76·5	79·2	+ 0·7	339	+ 61	222	− 58	51	− 6	9·60	245	− 12	2·8	−0·1	28	1017
9. IRELAND, NORTH ...	65	18	81·7	76·1	78·9	+ 0·7	322	+ 83	243	− 67	62	− 5	9·47	240	− 13	2·3	−0·2	24	1012
10. IRELAND, SOUTH ...	71	19	82·6	77·0	79·8	+ 0·8	414	+ 83	192	− 49	64	+ 3	12·10	307	+ 30	2·5	−0·4	25	1015
11. ENGLISH CHANNEL ...	66	26	82·7	78·1	80·4	+ 0·3	425	+ 43	86	− 18	54	− 9	5·82	147	− 70	3·7	+0·2	36	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics
South Kensington, S.W. 7 : April 11th, 1918.

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THE FIFTEENTH WEEK OF 1918.

SUNDAY, APRIL 7TH, TO SATURDAY, APRIL 13TH, 1918.

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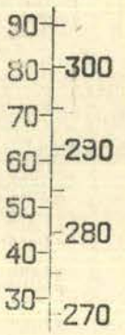
I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a depression was situated near the Shetlands and Northerly winds prevailed extensively over the British Islands. A brief period of transition ensued, but for the latter half of the week pressure was high in the northern and low over the southern part of our area, the wind being Easterly or North-Easterly and moderate or fresh in force generally; it increased to gale force in different districts on Wednesday night and again on Saturday evening. The mean temperature for the week differed but little from normal, the largest deviation being less than 1 a. Maxima above 289 a. were recorded only in England South-East (at Tunbridge Wells and Wisley) and in Scotland West (at Colmonel and Ford). A screen minimum of 267 a. was recorded at Balmoral on the 12th, but generally the thermometer did not go below 272 a.; on the grass, however, readings between 269 a. and 267 a. were recorded in most districts, the latter point being reached at Newquay among other places. The number of rain-days was mostly in excess of normal, but in the Channel Islands there was only one day with rain. The amount of rainfall was about normal over the midlands and north-east and south-east of England, below it in other parts of Great Britain and above it in Ireland; measurements of 13mm. (half-an-inch) on any one day occurred only in Scotland West and in Ireland. There was snow, sleet or hail during the week in various districts, and at some places fog was experienced on most days. In the Channel Islands the average amount of sunshine was 8 hours per day, but in several parts of Great Britain there was only about 1 hour, while at Durham there was less than an hour during the week.

Aurora was observed in the Orkneys on the 7th and in Scotland generally and the north of Ireland on the 11th. A solar halo was seen from Holyhead on the 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	4·3	8	4·9	1	0·4	1	0·4	5	3·2	12	2·1	2	4·2	2	6·1
North	14	4·3	16	3·0	25	3·2	19	2·5	20	5·0	13	6·4	20	4·2	22	6·4
West	10	3·1	8	4·4	6	2·6	7	2·1	13	4·1	5	4·6	11	5·7	7	3·6
East	13	3·3	18	5·3	20	3·8	14	2·3	13	7·6	19	3·8	14	4·9	16	3·5
Calm	0	—	0	—	2	—	6	—	1	—	0	—	3	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 6 weeks from Mar. 3rd, 1918.	Warmth ...	2, 4, 0	1, 3, 2	2, 4, 0	2, 4, 0	2, 4, 0	2, 4, 0	1, 5, 0	2, 4, 0	2, 4, 0	2, 3, 1	2, 3, 1	0, 6, 0
	Rainfall ...	0, 3, 3	1, 2, 3	1, 1, 4	1, 3, 2	2, 1, 3	2, 1, 3	1, 2, 3	0, 3, 3	2, 1, 3	1, 2, 3	1, 3, 2	1, 4, 1
	Sunshine ...	2, 1, 3	0, 3, 3	1, 0, 5	1, 2, 3	1, 0, 5	2, 3, 1	0, 3, 3	1, 3, 2	1, 3, 2	1, 3, 2	2, 1, 3	0, 6, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(17001—19.) Wt. 199—789. 450. 4/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. *a* Lerwick ..	54	45	7th	33	13th	41·7	37·8	39·6	- 0·5	4	0·47	12										
p Deerness	160	48	7, 12	36	13th	45·3	39·0	42·0	—	5	0·98	25	+ 11	Deerness ..	3·1	- 1·5	22	•	•	•	•	•
a Stornoway	51	53	11th	36	12th	46·4	38·7	42·4	+ 0·3	6	0·33	9	- 11	Stornoway ..	2·7	- 2·2	20	•	•	•	•	•
a Castlebay, Barra Isd.	37	55	11th	37	13th	48·0	41·6	44·7	—	3	0·29	7	—	Castlebay ..	4·8	—	35	•	•	•	•	•
b, Main-land. *a* Wick	81	48	7, 12	33	8th	44·9	37·7	41·1	- 0·5	4	0·65	16	+ 3									
p Glencarron	500	56	12th	30	12, 13	46·7	35·3	40·7	- 1·6	5	0·49	12	- 28	Fort Augustus..	2·2	- 1·4	16	•	•	•	•	•
p Fort Augustus..	88	51	7th	31	8th	48·8	37·3	41·6	- 0·8	1	0·14	4	- 13									
p Fort William ..	171	58	12th	33	8, 12	51·1	36·7	43·6	+ 0·2	3	0·39	10	- 20									
1. SCOTLAND, E.																						
a Nairn	82	48	7, 8	30	8th	45·9	34·7	40·0	- 2·6	5	0·44	11	0	Nairn ..	2·0	—	15	•	•	•	•	•
p Gordon Castle ..	101	52	8th	27	12th	47·4	35 6	41·2	- 1·7	4	0·67	17	+ 5	Gordon Castle..	3·0	—	22	•	•	•	•	•
a Aberdeen	46	51	7th	35	8th	46·9	38·7	42·6	+ 0·1	4	0·05	1	- 12	Aberdeen ..	2·5	- 2·4	18	1	29	•	•	43·0	+1·0
a Balmoral	930	59	12th	22	12th	47·4	31·4	39·0	- 0·4	5	0·10	3	- 13	Balmoral ..	•	•	•	3	21	•	•	•	•
p Crieff	432	56	11th	29	12, 13	50·4	32·4	41·0	- 2·3	5	0·40	10	- 5	Crathes ..	3·5	- 1·2	26	3	24	43·8	+1·2	42·7	+1·2
a Dundee	244	55	11th	32	8th	49·4	35·9	42·3	- 0·5	1	0·01	0	- 12	Dundee ..	2·8	—	20	4	24	44·0	•	•	•
a Leith	30	53	7th	34	8th	47·7	38·4	42·8	- 1·3	6	0·10	3	- 6	Leith ..	•	•	•	1	29	•	•	•	•
p Edinburgh	441	52	7, 9	36	13th	46·7	38·3	42·3	- 0·3	4	0 07	2	- 8	Edinburgh ..	1·0	- 3·3	7	1	29	•	•	•	•
a West Linton	769	52	12th	26	8th	46·9	34·1	40·2	+ 0·2	3	0·13	3	—	West Linton ..	1·1	—	8	1	22	•	•	•	•
p Marchmont	498	53	7th	33	13th	47·4	35·7	41·3	- 0·7	4	0·23	6	- 8	Marchmont ..	1·0	- 3·5	7	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	61	11th	30	8th	50·4	36·7	43·2	—	4	1·28	32	—	Ford (Argyll) ..	•	•	•	2	24	43·7	•	42·8	•
p Glasgow Observatory	180	53	12th	35	8th	49·4	39·0	44·0	+ 0·1	3	0·21	5	- 7	Glasgow..	2·8	- 1·2	21	1	27	•	•	•	•
p Rothesay	200	56	12th	34	8th	48·9	37·7	43·0	- 1·3	4	0·69	17	- 1	Rothesay ..	2·9	—	21	1	29	43·9	•	44·0	+0·1
a Kilmarnock	90	54	11th	32	8th	49·7	39·6	44·4	+ 1·2	1	0·32	8	- 5	Kilmarnock ..	2·5	—	18	•	•	44·2	•	43·9	•
a Colmonell	170	61	11th	31	8th	50·1	38·4	44·0	+ 0·5	4	0·38	10	- 5	Colmonell ..	•	•	•	1	27	•	•	•	•
p Cally, Gatehouse	120	55	11th	34	8th	49 0	39·6	44·1	+ 0·7	2	0·13	3	- 14	Dumfries ..	3·1	—	23	2	35	44·5	•	43·8	•
p Dumfries	160	53	11th	36	8, 13	49·6	39·3	44·2	0·0	1	0·01	0·2	- 13	Eskdalemuir ..	1·9	—	14	1	27	•	•	•	•
a Eskdalemuir	794	52	7, 9	29	8th	47·3	35·6	41·2	—	2	0·08	2	—									
b, I. OF MAN *p* Douglas	277	54	11th	39	8, 9, 13	47·7	40·1	43·7	- 0·4	6	0·83	21	+ 6	Douglas	2·7	- 3·1	20	0	35	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle	210	52	8th	35	9th	47·1	38·6	42·7	0·0	6	0·37	10	- 2									
a Tynemouth	71	50	7th	38	9th	44·4	39·7	41·9	- 1·1	5	0·20	5	- 4	Cockle Park ..	0·8	— 3·8	6	0	31	42·5	-0·1	42·8	+0·2
p Durham	336	50	7, 8	36	9, 13	46·3	37·6	41·7	- 1·2	6	0·67	15	+ 5	Durham ..	0·1	- 4·3	1	0	35	•	•	•	•
a North .. *a* Rounton	249	51	8th	36	7th	46·6	38·6	42·4	- 0·4	6	0·29	7	- 4	Rounton ..	•	•	•	1	30	43·2	•	•	•
a West Witton	605	53	7th	35	9th	47·3	38·1	42·5	—	5	0·30	8	—	West Witton ..	•	•	•	0	31	43·3	•	41·5	•
p Scarborough	100	52	8th	40	10, 13	48·0	41·0	44·3	+ 0·4	6	0·68	17	+ 7	Scarborough† ..	2·1	- 2·8	15	•	•	•	•	43·8	•
p York	56	53	8, 11	37	9th	49 4	39·9	44·4	- 0·4	6	0·27	7	- 3	York	1·2	- 3·1	9	•	•	43·9	-0·6	43 7	+0·1
b, South .. *a* Spurn Head	26	50	7th	37	9th	45·4	39·7	42·4	- 1·5	3	0·16	4	- 3	Spurn Head ..	2·8	—	21	•	•	•	•	•	•
a Lincoln	58	53	8th	35	8th	47·9	38·8	43·1	- 2·0	6	0·44	11	+ 2	Lincoln	•	•	•	1	29	44·3	-0·1	44·4	+0·8
a Fulbeck	180	53	12th	31	8th	47·1	37·9	42·3	- 2·7	7	0·55	14	+ 5	Rauceby ..	1·9	- 3·2	14	•	•	45·2	-1·2	44 8	+0·1
														Skegness ..	2·5	- 2·9	19	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	50	7th	35	7th	46·1	38·1	41·9	- 2·3	6	0·29	7	- 1	Cromer	3·0	- 2·8	22	•	•	•	•	•	•
a Little Massingham	280	51	7, 8	32	7th	47·9	37·0	42·2	- 2·4	5	0·14	4	- 6	Lit. Massingham	2·5	- 2·5	19	•	•	•	•	•	•
a Yarmouth	13	51	7, 8, 12	35	7th	47·9	39·4	43 5	- 0·4	1	0·04	1	- 9	Yarmouth ..	2·3	—	17	0	31	45·6	-1·1	45·1	-1·4
a Norwich	93	55	7th	33	8th	48·8	38·8	43·5	- 1·3	4	0·20	3	- 6	Norwich ..	2·8	—	21	2	29	44·8	•	•	•
a Geldeston	37	55	7th	31	8th	49·7	36·9	43·0	- 1·5	1	0·01	0·2	- 9	Geldeston ..	2·5	- 2·7	19	•	•	•	•	•	•
p Cambridge	41	57	12th	31	8th	51·3	37·1	43·9	- 1·5	5	0·09	2	- 7	Cambridge ..	2·1	- 3·1	16	3	25	45·6	-0·9	45·2	-0·7
a Clacton-on-Sea	54	51	7, 8	35	7th	48·4	39·9	44·0	- 0·5	5	0·13	3	- 5	Clacton	2·9	- 2·7	22	2	29	45·7	-0·7	46·1	-0·5
a Rothamsted	424	56	12th	36	7, 13	48·4	38·6	43·3	- 1·2	6	0·28	7	- 3	Rothamsted ..	2·9	- 2·0	22	2	30	44·0	•	•	•
p Tottenham	51	58	12th	37	7th	51·6	41·6	46·4	—	5	0·41	10	—	Tottenham ..	3·4	—	25	0	33	•	•	45·8	0·9
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	52	8th	35	9th	46·9	37·9	42·2	- 0·8	6	0·37	10	- 1	Harrogate ..	1·0	- 3·9	7	0	33	43·2	+0·4	43·4	+0·6
p Sheffield	429	52	8, 12	37	9th	48·4	39·1	43·5	—	7	0·70	18	—	Sheffield.. ..	0·9	- 3·5	7	1	29	42·4	-1·0	42 8	+0·2
p Buxton	987	51	8	36	9	45·6	37·3	41·3	—	6	0·87	22	+5	Buxton	1·3	—	10	0	31	41·9	-1·2	42·2	-0·1
a Bawtry	65	56	8th	30	8th	49·4	37·7	43·3	- 1·6	7	0·60	15	+ 7	Worksop ..	1·6	- 2·7	12	3	23	44·6	•	44·3	•
a Nottingham	82	54	8th	35	8th	48·3	38·7	43·3	- 1·5	5	0·43	11	+ 3	Nottingham ..	1·4	- 3·2	10	2	28	43·6	-0·9	43·1	+0·2
b, East .. *p* Birmingham, Edgbsn.	535	54	12th	37	7, 8	47·6	39·1	43·2	- 1·4	6	0·46	12	+ 2	Birmingham ..	1·0	- 2·8	7	5	26	43·1	-0·3	44·7	+0·6
a Raunds	203	57	12th	32	7th	49·1	36·9	42·7	- 2·4	5	0·33	8	0	Raunds	2·2	—	16	3	23	44·9	•	44·6	•
p Oxford	208	58	12th	35	13th	50·4	39·3	44·6	- 1·2	5	0·29	7	- 2	Oxford	2·4	- 2·5	18	4	27	•	•	•	•
a Cheadle (N. Staffs.)	646	52	8, 11	36	7–9	48·4	38·0	43·0	- 0·5	3	0·15	4	- 8	Cheadle	•	•	•	2	30	•	•	•	•
c, West .. *p* Shrewsbury	191	56	8th	39	7, 8	50·4	40·9	45·4	+ 0·2	4	0·49	13	+ 4	Shrewsbury ..	•	•	•	1	29	•	•	•	•
a Hereford	291	55	8, 12, 13	32	13th	51 3	38·7	44·7	- 0·8	4	0·35	9	- 1	Malvern ..	1·8	—	13	0	34	44·8	•	45·1	•
a Clifton	229	58	12th	40	13th	52·1	41·9	46·8	+ 0·3	2	0·57	14	- 2	Clifton	2·0	—	15	0	37	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	58	12th	32	7, 13	50·9	38·0	44·1	- 0·1	4	0·47	12	+ 2	Worthing ..	4·4	- 1·2	33	1	28	47·7	+0·4	46·7	+0·2
p Salisbury (Wilton)	180	59	12th	32	7, 13	53·8	38·5	45·8	+ 0·4	3	0·67	17	+ 6	Marlborough ..	2·5	- 2·0	19	3	24	49·5	•	46·2	•
a Wisley, Surrey	150	61	12th	34	7th	52·1	40 1	45 8	+ 0·2	4	0·52	13	+ 6	Salisbury ..	•	•	•	2	28	47·8	•	•	•
a Tunbridge Wells	354	61	12th	33	7th	52·4	38·6	45·2	- 0·3	5	0·31	8	- 1	Wisley	2·8	- 2·1	21	3	22	45·7	0·0	44·9	-0·4
a Margate	51	55	12th	40	8, 13	49·3	41·9	45·4	- 0·4	3	0·04	1	- 6	Tunbridge Wells	2·4	- 2·9	18	2	22	46·0	+0·8	45·5	•
				35	7			4·6	1·7					Margate	3·4	- 1·9	26	0	33	46·9	+0·9	46·8	+1·3
a Dungeness	21	53	12th	32	7th	50·6	38·1	44·1	- 0·9	1	0·09	2	- 5	Folkestone ..	3·8	—	28	•	•	•	•	45·0	•
p St. Leonards	178	55	12th	37	7th	52·1	41 0	46·3	+ 0·5	3	0·30	8	0	St. Leonards ..	3·9	- 1·7	29	1	30	46·8	•	45·9	•
p Southampton	64	59	12th	37	7th	54·7	41·4	47·7	+ 0·4	4	0·56	14	+ 5	Southampton ..	4·2	- 1·2	31	2	25	•	•	•	•
a Ventnor	59	60	13th	39	7th	54·0	42·0	47·7	+ 0·7	4	0·35	9	0	Ventnor	5·5	- 0·1	41	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	59	12th	35	7th	51·2	40·5	45·6	- 0·5	4	0·39	10	+ 3	Richmond ..	2·6	- 2·3	19	2	24	46·0	+0·1	45·2	-0·3
a Westminster	27	61	12th	—	—	52·5	—	—	—	4	0·30	8	+ 1	Westminster ..	2·5	- 1·5	19	0	31	•	•	•	•
ag Greenwich	149	61	12th	35	7th	52·6	39·9	46·0	- 0·4	5	0·24	6	— 3	Greenwich ..	2 5	- 2·1	19	2	29	•	•	•	•
a Hampstead	450	59	12th	33	7th	50·3	37·7	43·7	—	4	0·22	6	—	Hampstead ..	3·1	—	23	1	26	•	•	•	•
ag Camden Square	110	62	12th	33	7th	53·7	40·9	47·0	- 0·2	4	0·19	5	- 3	Camden Square	2·5	- 1·8	19	1	27	•	•	•	•
7. *a*, ENGLAND, N.W.																						
f Aspatria (Mealsgate)	487	51	9, 11	34	13th	47 6	37·9	42·5	- 1·0	3	0·06	2	- 11	Aspatria.. ..	2·5	- 2·4	18	1	29	44·3	•	43·9	•
p Newton Rigg	559	55	8, 9, 11	36	8, 13	51·1	37·9	44·2	+ 1·6	3	0·14	4	- 8	Newton Rigg ..	2·2	- 2·7	16	1	28	44·1	+0·1	42·7	+0·2
p Stonyhurst	375	54	11th	33	13th	49·3	39·4	44·1	+ 0·6	5	0·33	8	- 8	Stonyhurst ..	1·7	- 3·1	13	1	27	•	•	•	•
p Blackpool	66	59	11th	36	9th	50·7	40·9	45·6	+ 1·4	6	0·55	14	+ 3	Blackpool ..	2·5	- 3·1	18	2	26	45·1	•	44·8	•
a Southport	37	58	11th	35	9th	50·3	40·7	45·3	+ 0·8	6	0·33	8	- 3	Southport ..	2·3	- 3·1	17	1	29	44·8	-1·1	44·6	-0·4
														Hoylake ..	1·2	- 4·0	9	•	•	•	•	•	•
a Liverpool (Bidston)	188	55	11th	38	9th	49·0	40·9	44·8	- 0·3	4	0·52	13	+ 3	Liverpool ..	1·5	—	11	0	31	•	•	•	•
a Hawarden Bridge	22	54	11th	34	9th	49·7	42·0	45·7	- 0·1	4	0·47	12	+ 4	Manchester (City)	1·4	- 2·7	10	0	38	43·8	+0·2	44·9	+0·6
p Manchester (Whit. Pk.)	125	57	8th	40	9, 10	50·0	41·3	45·4	- 0·1	4	0·23	6	- 5	Whitworth Park	1·3	—	10	0	•	•	•	•	•
																- 2·4						
b, NORTH WALES.																						
p Llandudno	16	53	8th	38	9th	49·3	42·1	45·5	- 0·1	3	0·29	7	- 4	Llandudno ..	1·5	- 4·0	11	•	•	•	•	•	•
a Holyhead	15	54	12th	39	9, 10	50·0	41·7	45·7	+ 0·5	4	0·40	10	- 2	Holyhead ..	1·7	—	13	0	38	•	•	•	•
a Beddgelert	309	53	11th	38	7, 8	49·6	40·0	44·6	—	3	0·67	17	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	nr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																								
a Aberystwyth	59	54	11th	38	9th	50·0	42·0	45·8	—	3	0·13	3	—	Aberystwyth	2·3	- 3·1	17	•	•	•	•	•	•
a Rhayader	757	53	8th	33	9th	46·7	37·4	41·8	—	4	0·22	6	—	Rhayader	1·7	—	13	2	26	•	•	•	•
a St. Ann's Head	149	54	12th	40	8th	48·7	42·0	45·7	+ 0·2	3	0·20	5	- 6	Pembroke	2·5	- 3·4	19	•	•	•	•	•	•
p Cardiff	202	57	12th	38	7th	50·7	40·7	45·5	- 0·1	3	0·76	19	+ 5	Cardiff	2·3	—	17	1	30	46·6	+0·6	46·1	+0·8
b. ENGLAND, S.W.																								
a Bath	66	56	12th	34	13th	53·3	40·3	46·5	+ 0·5	3	0·57	14	+ 3	Bath	•	•	•	•	•	47·9	+1·2	47·2	+1·2
a Shaftesbury	722	56	12th	36	7–9	51·3	38·7	44·7	0·0	4	0·32	8	+ 3	Shaftesbury	•	•	•	•	•	46·6	•	46·2	•
a Arlington	613	55	12—	34	9—	50·7	39·7	44·9	+0·2	2	0·28	7	+0										
a Hartland Quay	100	55	12th	40	9, 10	49·7	43·7	46·4	—	2	0·32	8	—										
a Newquay	190	55	12th	35	9, 13	51·0	39·9	45·2	- 1·6	3	0·28	7	- 4	Newquay	5·2	- 0·6	39	3	22	49·7	•	48·9	•
a Cullompton	202	59	12th	32	13th	54·0	39·7	46·5	+ 0·2	2	0·35	9	- 3	Cullompton	2·4	- 2·8	18	2	30	47·9	•	•	•
a Portland Bill	19	58	13th	42	7th	51·6	43·6	47·4	+ 1·3	4	0·41	10	+ 1	Weymouth	5·7	—	43	•	•	•	•	•	•
p Plymouth	116	58	13th	36	9th	52·9	41·6	47·0	- 0·3	2	0·22	6	- 6	Plymouth	4·0	- 1·8	30	1	29	47·8	-0·8	48·0	•
a Falmouth	167	57	13th	36	9th	52·3	41·0	46·4	- 0·5	1	0·09	2	- 12	Falmouth	5·8	- 0·3	44	1	30	51·1	•	50·2	•
9. IRELAND, N.																								
West *a* Malin Head	208	50	11th	36	9th	47·0	39·0	42·8	- 1·5	5	0·76	19	+ 9	Malin Head	2·2	—	16	•	•	•	•	•	•
West *a* Blacksod Point	327	52	11th	33	9th	48·0	38·4	43·0	- 2·8	5	0·37	10	- 5	Markree Castle	2·6	- 2·5	19	2	27	46·2	•	46·0	—
West *p* Markree Castle	122	61	11th	32	9th	50·9	39·1	44·7	+ 0·1	3	0·41	10	- 4										
b. East *p* Armagh	196	55	11th	36	8, 9	48·7	39·0	43·6	- 0·9	4	0·72	18	+ 7	Armagh	1·6	- 3·4	12	1	30	45·6	-0·1	45·3	+0·3
b. East *a* Donaghadee	101	49	7, 11	38	9, 10	46·7	40·3	43·4	- 1·3	6	1·07	27	+ 16										
10. IRELAND, S.																								
p Dublin, City	47	50	7, 8	37	9th	48·0	41·3	44·5	- 2·0	5	1·11	28	+ 18	Trinity Coll.	•	•	•	2	34	46·4	-0·1	47·0	+0·1
a Birr Castle	175	54	11th	33	9, 10	49·0	38·3	43·4	- 1·5	5	0·64	16	+ 5	Phœnix Park	0·4	- 5·2	3	0	32	•	•	•	•
a Kilkenny	212	56	12th	35	8, 9	49·1	40·0	44·3	- 1·1	4	0·54	14	+ 3	Dublin City	•	•	•	0	36	•	•	•	•
a Waterford	20	53	13th	35	9th	49·6	40·0	44·6	- 1·7	4	0·89	23	+ 10	Birr Castle	1·2	- 4·0	9	1	27	•	•	•	•
p Seskin, Carrick-on-Suir	541	55	13th	33	9th	48·3	38·3	43·1	—	4	0·78	20	—	Seskin	1·7	—	13	3	26	•	•	•	•
a Cahir	199	54	12th	33	9th	50·4	39·7	44·8	- 1·0	4	0·65	17	—										
a Foynes	50	54	12th	34	8th	49·4	40·4	44·7	- 1·7	3	0·43	11	- 2										
a Cahirciveen (Val. Obs.)	30	53	12th	37	9th	49·6	41·7	45·5	- 1·4	2	0·83	21	+ 4	Cahirciveen	3·0	- 2·4	22	0	31	•	•	•	•
a Killarney	174	57	12th	36	9th	52·1	41·2	46·4	0·0	4	0·38	10	- 9	Ballinacurra	2·8	- 2·9	21	•	•	•	•	•	•
a Roche's Point	32	53	12th	38	9, 10	49·9	41·4	45·5	- 1·0	5	0·46	12	- 2										
11. ENGLISH CHANNEL.																								
a Scilly, St. Mary's	131	55	12th	40	10th	51·6	43·1	47·2	- 0·6	6	0·59	15	+ 5	Scilly	5·0	- 0·9	38	•	•	•	•	•	•
a Jersey, St. Aubins	25	59	12th	42	7th	55·6	43·7	49·4	+ 1·2	1	0·08	2	- 8	St. Heliers	7·7	+ 1·3	58	0	6	•	•	•	•
a Guernsey (Villa Carey)	180	61	12th	42	13th	55·6	44·1	49·6	+ 1·3	1	0·04	1	- 10	Guernsey†	8·2	+ 1·9	62	1	36	49·3	+0·5	48·6	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 13th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)**	188	16	5	—	—	12	1	84	82	1	0	337	12	12	17	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	16	94	32	26	11	7	13	13	14	7	16 25
Aberdeen	153	105	52	—	—	7	1	60	84	23	0	293	12	7	16	18	7	16 0
Edinburgh	485	39	31	—	—	—	—	110	58	0	0	203	9	9	1	16	9	0 45
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	10, 11, 13	18	88	43	19	0	34	15	11	6	22	10	17 45
Paisley	188	81	52	—	—	—	—	49	96	23	0	337	10	7	15	18	7	14 55
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	20	107	41	0	11	7	13	14	14	13	18 5
South Shields	72	61	12	—	—	—	—	62	72	34	0	45	11	13	18	16	13	17 45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	— —
3. ENGLAND, E.																		
Yarmouth (Cup Anr.)	73	60	—	—	—	10, 13	6	52	98	12	0	45	13	13	24	—	—	— —
Gorleston	52	42	‡	—	—	13	6	66	87	9	0	45	14	13	24	17	13	23 50
Shoeburyness	103	90	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	— —
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	22	103	43	0	34	9	13	23	16	13	23 0
5. ENGLAND, S.E.																		
Waringham	642	33	‡	—	—	—	—	11	157	0	0	—	7	13	24	13	13	21 0
Brighton	261	53	6	—	—	13	2	11	103	52	0	—	12	13	24	19	13	23 20
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	46	102	20	0	45	11	13	23	16	13	22 50
Richmond (Kew Obs.)	82	65	22	—	—	—	—	9	102	57	0	23	7	13	23	12	13	21 50
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	31	61	76	0	67	10	11	3	17	11	1 20
Fleetwood (Cup Anr.)	109	44	—	—	—	7, 11, 13	23	49	82	14	0	304	15	7	15	—	—	— —
Southport	80	62	48	—	—	7, 11	24	60	78	6	0	304	15	7	15	20	7	14 35
Holyhead	60	40	‡	—	—	7, 11, 13	35	72	61	0	0	56	15	11	13	19	11	12 25
8. ENGLAND, S.W.																		
Pendennis Castle§	256	65	24	—	—	—	—	59	63	38	8	67	10	11	23	15	7	1 35
Plymouth	185	88	2	—	—	—	—	13	96	59	0	—	7	7	12	14	7	17 20
Lyme Regis	556	61	‡	—	—	—	—	35	53	41	39	—	11	7	18	18	13	23 20
10. IRELAND, S.																		
Kingstown (Cup Anr.)	49	27	—	—	—	7, 9 to 11, 13	17	97	38	16	0	293	13	7	12	—	—	— —
Quilty	100	40	‡	—	—	7 to 9	12	63	63	17	13	—	13	8	22	20	7	6 45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	13	1	108	42	17	0	23	11	13	13	18	7	6 30
Weaver Pt.	160	30	‡	—	—	—	—	66	74	28	0	—	10	7	16	18	7	14 20
11. ENGLISH CHANNEL																		
Scilly	150	32	‡	—	—	7	16	33	84	35	0	337	14	7	3	19	7	3 10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops o trees
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTEENTH WEEK of 1918—April 7th to April 13th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	30	80·9	75·9	78·3	− 0·1	12	− 9	18	− 4	4	− 1	0·41	10	− 12	2·7	−1·6	19	1014
Eastern.																			
1. SCOTLAND, EAST ...	59	22	81·6	74·7	78·0	− 0·7	15	− 13	26	+ 3	5	+ 1	0·27	7	− 6	2·1	−2·5	16	1014
2. ENGLAND, N.E.	53	31	81·3	76·9	79·0	− 0·4	18	− 11	8	− 7	6	+ 2	0·39	10	0	1·4	−3·5	11	1012
3. ENGLAND, EAST ...	58	31	82·4	76·7	79·4	− 0·7	25	− 12	10	− 4	4	+ 1	0·18	4	− 6	2·7	−2·5	20	1010
4. MIDLAND COUNTIES ...	58	30	82·7	76·8	79·6	− 0·5	26	− 13	9	− 7	5	+ 2	0·41	10	0	1·5	−3·2	11	1010
5. ENGLAND, S.E.	61	32	84·2	77·4	80·6	− 0·1	34	− 6	6	− 4	4	+ 1	0·37	9	0	3·6	−1·7	26	1009
Western.																			
6. SCOTLAND, WEST ...	61	30	82·7	76·8	79·6	0·0	26	− 5	9	− 6	3	− 1	0·49	12	− 4	2·8	−2·2	20	1013
7. ENGLAND, N.W.	59	33	82·8	77·7	80·1	+ 0·2	26	− 6	4	− 8	4	+ 1	0·32	8	− 4	1·9	−3·1	14	1011
8. ENGLAND, S.W.	59	32	83·8	77·8	80·6	− 0·1	32	− 6	4	− 4	3	0	0·35	9	− 4	3·4	−2·1	26	1010
9. IRELAND, NORTH ...	61	32	82·1	76·9	79·4	− 0·7	23	− 11	8	− 3	5	+ 1	0·66	17	+ 4	2·1	−2·9	15	1013
10. IRELAND, SOUTH ...	57	33	82·8	77·7	80·1	− 0·7	26	− 14	4	− 4	4	0	0·66	17	+ 3	1·9	−3·6	14	1013
11. ENGLISH CHANNEL ...	61	40	85·4	79·4	82·3	+0·4	47	+ 3	0	− 1	3	0	0·24	6	− 4	7·0	+0·7	52	1010

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, March 3rd to April 13th, 1918.

0. SCOTLAND, NORTH ...	58	20	81·2	75·5	78·3	+ 0·8	93	+ 2	117	− 46	23	− 6	3·17	80	− 62	3·1	−0·5	25	1014
Eastern.																			
1. SCOTLAND, EAST ...	65	9	81·6	74·3	77·8	+ 0·1	106	− 10	174	− 7	22	− 3	1·57	39	− 41	2·7	−1·3	22	1015
2. ENGLAND, N.E.	71	24	82·3	75·9	79·0	+ 0·6	149	+ 15	91	− 45	22	− 1	1·75	44	− 14	2·9	−1·5	23	1015
3. ENGLAND, EAST ...	72	22	83·3	75·2	79·1	+ 0·3	189	+ 21	108	− 30	18	− 2	1·29	33	− 23	4·0	−0·5	33	1015
4. MIDLAND COUNTIES ...	72	22	83·4	75·2	79·2	+ 0·4	192	+ 16	107	− 41	19	− 1	2·04	51	− 10	3·0	−1·0	25	1015
5. ENGLAND, S.E.	71	24	83·9	75·9	79·7	+ 0·3	205	+ 27	87	− 16	16	− 4	1·89	48	− 14	4·5	0·0	37	1015
Western.																			
6. SCOTLAND, WEST ...	61	23	82·1	75·6	78·8	+ 0·3	134	+ 7	96	− 30	18	− 7	2·80	72	− 43	3·0	−1·1	24	1015
7. ENGLAND, N.W.	66	28	82·6	76·1	79·3	+ 0·5	156	+ 19	77	− 36	19	− 3	1·94	49	− 32	3·4	−0·8	28	1014
8. ENGLAND, S.W.	70	23	83·4	76·6	79·9	+ 0·4	183	+ 11	66	− 21	18	− 4	2·83	72	− 21	4·2	−0·3	34	1015
9. IRELAND, NORTH ...	65	23	82·9	76·1	79·4	+ 0·3	167	+ 18	82	− 24	20	− 7	2·55	65	− 20	3·9	−0·1	31	1013
10. IRELAND, SOUTH ...	71	23	83·8	76·9	80·2	+ 0·3	198	+ 9	57	− 24	23	− 1	3·81	96	− 3	4·0	−0·5	32	1014
11. ENGLISH CHANNEL ...	66	31	84·4	78·5	81·3	+ 0·4	230	+ 21	14	− 13	20	− 4	2 17	55	− 22	5·6	+0·3	46	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 15 Weeks, December 30th, 1917, to April 13th, 1918.

0. SCOTLAND, NORTH ...	58	5	80·0	74·5	77·3	+ 0·5	187	+ 37	455	− 28	75	0	16·51	418	+ 1	1·9	−0·4	19	1011
Eastern.																			
1. SCOTLAND, EAST ...	65	−3	80·1	73·8	76·9	+ 0·3	192	+ 13	530	− 25	62	+ 1	7·33	185	− 22	2·1	−0·7	21	1014
2. ENGLAND, N.E.	71	9	80·9	75·1	78·0	+ 0·7	259	+ 43	353	− 88	57	0	5·58	140	− 7	2·3	−0·8	23	1015
3. ENGLAND, EAST ...	72	14	81·5	74·7	78·1	+ 0·6	311	+ 52	378	− 87	51	− 4	4·82	123	− 22	3·0	−0·1	30	1017
4. MIDLAND COUNTIES ...	72	12	81·7	75·0	78·3	+ 0·8	330	+ 53	358	−126	52	− 3	6·20	157	− 10	2·3	−0·5	23	1017
5. ENGLAND, S.E.	71	15	81·9	75·5	78·7	+ 0·5	341	+ 46	321	− 42	48	− 6	6·56	166	− 10	3·2	+0·1	31	1017
Western.																			
6. SCOTLAND, WEST ...	61	5	80·8	75·4	78·1	+ 0·4	249	+ 36	315	− 70	65	− 2	13·86	353	+ 13	2·0	−0·7	20	1014
7. ENGLAND, N.W.	66	12	81·5	76·1	78·8	+ 0·9	317	+ 88	240	−123	57	− 2	8·29	211	− 18	2·4	−0·4	23	1015
8. ENGLAND, S.W.	70	16	81·9	76·6	79·3	+ 0·7	371	+ 55	226	− 62	54	− 6	9·95	254	− 16	2·9	−0·2	28	1017
9. IRELAND, NORTH ...	65	18	81·8	76·2	78·9	+ 0·6	345	+ 72	251	− 70	67	− 4	10·14	257	− 9	2·3	−0·4	23	1012
10. IRELAND, SOUTH ...	71	19	82·6	77·0	79·8	+ 0·7	440	+ 69	196	− 53	68	+ 3	12·76	324	+ 33	2·5	−0·6	24	1015
11. ENGLISH CHANNEL ...	66	26	82·9	78·2	80·5	+ 0·3	472	+ 46	86	− 19	57	− 9	6·06	153	− 74	3·9	+0·2	38	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: April 18th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
MS. 26/4/18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 16.

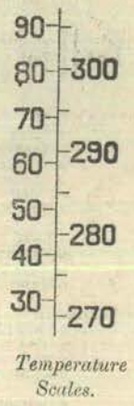
THE SIXTEENTH WEEK OF 1918.
SUNDAY, APRIL 14TH, TO SATURDAY, APRIL 20TH, 1918.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first half of the week an anticyclone was situated over our northern and western districts, with a low pressure area over France and Germany. The weather, in consequence, was decidedly better in the northern and western districts than in the east and south. During the latter half of the period a depression over Denmark and the North Sea was the dominant factor, and wet, cold weather and strong North-East winds were general. The mean temperature was everywhere below the normal, the deficit varying from about 2 a. over Ireland to 4 a. in eastern and southern England.

A reading of 289 a. was recorded at Fort William on the 17th, but over eastern England the highest point reached was 281 a. and on some days it did not exceed 278 a. The screen minimum went down to 273 a. or below in all districts except the English Channel, while the thermometer on the grass descended to 269 a., the lowest readings being 266 a. at Markree Castle, Balmoral and Dundee, and 264 a. at West Linton, Ford (Argyll) and Dublin (Phœnix Park). The rainfall of the 15th over East Anglia was very heavy, measurements ranging between 32mm. (1¼ in.) and 49mm. (about 2 in.). The precipitation of the week was composed of rain, hail, snow or sleet, and fell on nearly every day. In the western and northern districts there were generally only two raindays, and the total precipitation less than 6mm. Bright sunshine exceeded the normal in Ireland and Scotland West, but was deficient elsewhere, the daily deficit being about four hours over Eastern, Midland and Southern England. A solar halo was observed at Oxford on the 18th and a lunar halo at Clacton-on-Sea on the 19th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	2·0	1	1·2	2	3·8	1	1·3	0	—	0	—	0	—	0	—
North	14	7·7	27	3·9	25	7·1	25	5·1	28	6·9	25	5·5	28	5·1	28	5·6
West	8	3·3	5	4·4	8	1·5	11	1·1	3	3·0	2	5·6	11	4·2	5	2·6
East	7	3·2	20	4·2	16	4·0	10	2·0	25	5·1	24	5·3	15	4·8	21	2·3
Calm	5	—	0	—	1	—	1	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Very deficient
	Rainfall ...	Light	Moderate	Moderate	Very heavy	Heavy	Very heavy	Light	Moderate	Heavy	Light	Light	Moderate
	Sunshine ...	Scanty	Moderate	Scanty	Very scanty	Very scanty	Very scanty	Abundant	Moderate	Scanty	Abundant	Abundant	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING, 7 weeks from Mar. 3rd, 1918.	Warmth ...	2, 4, 1	1, 3, 3	2, 4, 1	2, 4, 1	2, 4, 1	2, 4, 1	1, 5, 1	2, 4, 1	2, 4, 1	2, 3, 2	2, 3, 2	0, 6, 1
	Rainfall ...	0, 3, 4	1, 3, 3	1, 2, 4	2, 3, 2	3, 1, 3	3, 1, 3	1, 2, 4	0, 4, 3	3, 1, 3	1, 2, 4	1, 3, 3	1, 5, 1
	Sunshine ...	2, 1, 4	0, 4, 3	1, 0, 6	1, 2, 4	1, 0, 6	2, 3, 2	1, 3, 3	1, 4, 2	1, 3, 3	2, 3, 2	3, 1, 3	0, 6, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(17128—19.) Wt. 199—789. 450. 4/18. D & S. G 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Deviation from Normal.	Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.		No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands .. a Lerwick	54	48	17th	29	18th	43·6	32·9	38·0	- 3·5	3	0·20	5	- 7										
p Deerness	160	52	17th	32	14th	43·9	35·1	39·3	—	1	0·28	7	- 4	Deerness	5·2	0·0	36	•	•	•	•	•	•
a Stornoway	51	50	15–17	29	15th	46·9	34·3	40·3	- 3·2	4	0·15	4	- 12	Stornoway	1·8	- 3·7	13	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	51	17th	35	14, 15	47·3	38·4	42·6	—	5	0·09	2	- 9	Castlebay	3·2	—	22	•	•	•	•	•	•
b. Mainland. a Wick	81	52	17th	27	15th	43·1	32·0	37·3	- 5·8	3	0·37	9	- 2										
p Glencarron	500	55	17th	25	15th	46·7	31·4	38·7	- 5·1	3	0·28	7	- 23										
p Fort Augustus	68	53	17th	22	15th	45·9	33·6	39·5	- 4·5	[illegible]	[illegible]	[illegible]	[illegible]	Fort Augustus	—	—	—	•	•	•	•	•	•
p Fort William	171	61	17th	23	15th	50·7	32·7	41·3	- 3·8	2	0·06	2	- 21										
1. SCOTLAND, E.																							
a Nairn	82	59	17th	28	15th	46·6	32·3	39·1	- 4·9	3	0·59	15	+ 7	Nairn	4·4	—	31	•	•	•	•	•	•
p Gordon Castle	101	53	17th	29	16th	44·1	32·3	37·9	- 6·4	3	0·76	19	+ 10	Gordon Castle	4·2	—	29	•	•	•	•	•	•
a Aberdeen	46	53	17th	30	16th	45·3	33·6	39·2	- 4·6	4	0·26	7	- 3	Aberdeen	3·6	- 1·8	25	1	27	•	•	43·3	+0·6
a Balmoral	930	55	17th	23	16th	43·3	28·9	35·8	- 5·1	4	0·60	15	+ 4	Balmoral	•	•	•	6	20	•	•	•	•
p Crieff	432	58	17th	24	15th	50·1	28·6	38·8	- 6·0	2	0·26	7	- 4	Crathes	3·0	- 2·1	21	2	18	42·3	-1·6	43·1	+0·7
a Dundee	244	56	17th	25	16th	47·7	32·4	39·7	- 4·6	2	0·30	8	- 1	Dundee	7·0	—	50	5	19	43·7	•	•	•
a Leith	30	50	17th	31	15th	45·4	34·7	39·8	- 5·7	2	0·31	8	+ 1	Leith	•	•	•	1	26	•	•	•	•
p Edinburgh	441	48	17th	30	15th	43·1	33·3	38·0	- 6·0	3	0·31	8	+ 1	Edinburgh	4·4	- 0·3	34	2	25	•	•	•	•
a West Linton	769	48	17th	22	15th	42·7	29·9	36·0	- 5·4	2	0·17	4	—	West Linton	5·0	—	35	6	16	•	•	•	•
p Marchmont	498	48	17th	31	20th	42·3	32·6	37·2	- 6·2	4	0·29	7	- 4	Marchmont	2·2	- 2·7	16	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	58	17th	23	15th	56·4	30·9	40·2	—	2	0·24	6	—	Ford (Argyll)	•	•	•	5	16	44·6	•	43·3	•
p Glasgow Observatory	180	56	17th	31	15th	49·4	34·4	41·5	- 3·7	1	0·04	1	- 11	Glasgow	7·2	+ 2·9	51	4	23	•	•	•	•
p Rothesay	200	56	17th	29	14th	49·6	33·0	40·9	- 4·7	2	0·05	1	- 15	Rothesay	7·0	—	50	5	22	44·1	•	44·6	-0·1
a Kilmarnock	90	57	17th	25	15th	49·3	30·7	39·6	- 4·9	1	0·12	3	- 9	Kilmarnock	5·9	—	42	•	•	42·6	•	44·0	•
a Colmonell	170	55	16th	26	16th	48·9	31·3	39·7	- 5·1	2	0·08	2	- 11	Colmonell	•	•	•	7	22	•	•	•	•
p Cally, Gatehouse	120	57	16, 17	27	15th	51·1	31·6	40·9	- 3·8	2	0·16	4	- 12	Dumfries	5·5	—	39	4	22	43·4	•	44·6	•
p Dumfries	160	53	17th	30	14–16	47·4	33·1	39·9	- 5·6	2	0·20	5	- 7	Eskdalemuir	4·9	—	35	6	23	•	•	•	•
a Eskdalemuir	794	49	17th	27	15th	43·9	30·6	36·9	—	2	0·16	4	—										
b. I. OF MAN p Douglas	277	52	17th	32	14, 15	46·1	34·9	40·2	- 5·2	2	0·57	15	+ 2	Douglas	7·5	+ 1·4	54	5	27	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	47	17th	33	19, 20	44·1	35·6	39·7	- 4·2	5	0·34	9	- 1										
a Tynemouth	71	46	17th	33	19, 20	41·9	36·0	38·8	- 5·3	4	0·35	9	+ 1	Cockle Park	3·3	- 1·5	23	3	29	40·6	-3·5	42·9	-0·6
p Durham	336	48	17th	32	19, 20	43·3	34·7	38·8	- 5·3	5	0·40	10	+ 2	Durham	2·1	- 2·5	15	1	29	•	•	•	•
a North .. p Rounton	249	46	17th	31	18, 19	43·0	34·4	38·5	- 5·4	5	0·56	14	+ 5	Rounton	•	•	•	3	28	41·5	•	•	•
a West Witton	605	49	14th	25	19th	43·3	32·7	37·8	—	4	0·24	6	—	West Witton	•	•	•	4	25	41·7	•	41·9	•
p Scarborough	100	47	19th	38	18, 20	45·0	39·3	42·0	- 3·0	6	0·62	16	+ 8	Scarborough†	2·5	- 2·7	18	•	•	•	•	44·5	•
p York	56	50	17th	32	19, 20	45·3	36·1	40·5	- 5·6	3	0·15	4	- 5	York	1·0	- 3·6	7	•	•	43·9	-1·9	44·2	-0·2
b. South .. a Spurn Head	26	48	15th	32	19, 20	43·0	36·6	39·7	- 5·4	6	0·51	13	+ 7	Spurn Head	3·5	—	25	•	•	•	•	•	•
a Lincoln	58	47	17th	33	19th	43·9	36·5	40·0	- 6·5	6	0·42	11	+ 4	Lincoln	•	•	•	2	27	43·0	-3·1	44·6	+0·1
a Fulbeck	180	45	17, 19, 20	31	20th	43·4	35·6	39·3	- 7·0	7	0·60	15	+ 7	Rauceby	1·9	- 3·5	14	•	•	43·2	-5·3	45·0	-0·5
														Skegness	3·3	- 2·4	24	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	45	15, 20	32	19, 20	43·1	35·9	39·3	- 5·9	6	1·58	40	+ 35	Cromer	1·9	- 3·8	14	•	•	•	•	•	•
a Little Massingham	280	45	20th	30	19th	42·6	34·4	38·3	- 7·3	7	3·08	78	+ 71	Lit. Massingham	1·8	- 3·6	13	•	•	•	•	•	•
a Yarmouth	13	46	14th	32	19th	43·9	37·1	40·3	- 4·8	6	2·17	55	+ 48	Yarmouth	2·8	—	20	0	31	44·6	-4·1	45·7	-1·9
a Norwich	93	46	20th	32	19th	43·2	36·6	39·6	- 6·2	7	2·49	63	+ 56	Norwich	1·9	—	14	2	24	43·6	•	•	•
a Geldeston	37	46	14, 20	30	19th	44·6	34·7	39·4	- 6·1	7	0·85	22	+ 16	Geldeston	2·0	- 3·7	14	•	•	•	•	•	•
p Cambridge	41	47	20th	30	20th	44·1	35·0	39·3	- 7·1	5	2·53	64	+ 58	Cambridge	1·4	- 4·2	10	3	28	43·8	-4·2	45·4	-1·4
a Clacton-on-Sea	54	45	14, 15	32	19th	44·1	36·6	40·2	- 5·3	6	1·62	41	+ 35	Clacton	1·5	- 4·7	11	2	29	43·8	-3·9	46·3	-1·2
a Rothamsted	424	45	20th	30	19, 20	42·3	33·4	37·6	- 7·9	6	2·89	73	+ 66	Rothamsted	1·5	- 3·8	11	3	26	41·2	•	•	•
p Tottenham	51	47	15th	33	20th	44·0	37·1	40·4	—	5	2·06	52	—	Tottenham	1·3	—	9	1	30	•	•	46·0	-0·8
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	45	17th	31	19th	42·1	34·4	38·1	- 6·0	2	0·09	2	- 6	Harrogate	1·8	- 3·4	13	1	28	41·7	-2·3	43·4	-0·4
p Sheffield	429	45	19th	32	19th	42·1	35·4	38·6	—	5	0·25	6	—	Sheffield	1·0	- 3·7	7	1	28	41·4	-3·4	43·0	-0·3
p Buxton	987	45	17th	29	19th	40·4	33·1	36·6	—	2	0·32	8	- 5	Buxton	1·8	—	13	3	25	40·4	-4·5	42·4	-0·6
b. East .. a Bawtry	65	49	20th	33	19, 20	44·1	36·6	40·2	- 5·9	3	0·06	2	- 5	Worksop	1·4	- 3·2	10	2	25	43·5	•	44·6	•
a Nottingham	82	47	17th	33	19th	44·3	36·6	40·3	- 5·7	6	0·80	20	+ 13	Nottingham	1·3	- 3·7	9	2	28	41·4	-4·7	43·0	-0·8
p Birmingham, Edgbsn.	535	47	17th	32	19, 20	43·4	35·0	39·0	- 6·8	4	1·40	36	+ 28	Birmingham	0·8	- 3·2	6	4	26	40·7	-3·7	44·5	-0·1
a Raunds	203	48	20th	30	19, 20	44·4	34·3	39·1	- 7·2	6	2·32	59	+ 52	Raunds	1·9	—	14	3	23	44·4	•	45·0	•
p Oxford	208	45	18th	31	19th	43·4	35·1	39·1	- 7·9	6	2·12	54	+ 47	Oxford	1·1	- 4·1	8	3	25	•	•	•	•
c. West .. a Cheadle (N. Staffs.)	646	48	17th	29	19th	44·0	32·6	38·0	- 6·7	1	0·24	6	- 3	Cheadle	•	•	•	4	24	•	•	•	•
p Shrewsbury	191	50	17th	33	18th	45·9	35·3	40·4	- 5·9	3	0·59	15	+ 8	Shrewsbury	•	•	•	5	27	•	•	•	•
a Hereford	291	47	20th	30	19th	44·0	33·3	38·4	- 8·3	3	0·94	24	+ 16	Malvern	1·6	—	12	3	27	41·9	•	44·9	•
a Clifton	229	48	15th	32	19th	45·3	35·4	40·1	- 7·7	5	1·25	32	+ 20	Clifton	2·9	—	21	1	27	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	45	18–20	27	19th	43·7	33·1	38·2	- 7·0	6	1·96	50	+ 40	Worthing	2·8	- 3·4	20	2	28	46·0	-3·0	47·2	-0·1
p Salisbury (Wilton)	180	48	15th	28	19th	45·6	32·4	38·7	- 7·8	5	1·49	38	+ 27	Marlborough	1·9	- 3·0	14	3	18	43·9	•	46·2	•
a Wisley, Surrey	150	47	15th	31	19th	44·1	34·9	39·3	- 7·3	5	1·93	49	+ 42	Salisbury	•	•	•	4	24	45·9	•	•	•
a Tunbridge Wells	354	52	15th	31	19, 20	45·4	34·7	39·8	- 6·7	6	1·59	40	+ 31	Wisley	1·2	- 4·2	9	3	23	43·8	-3·4	45·3	-0·9
a Margate	51	46	17, 20	33	20th	44·3	38·4	41·2	- 5·6	5	0·41	11	+ 4	Tunbridge Wells	1·5	- 4·2	11	3	22	44·9	-2·3	45·9	•
a Dungeness	21	50	15th	30	19, 20	45·7	36·0	40·6	- 5·4	5	0·45	11	+ 4	Margate	1·4	- 4·3	10	1	30	44·7	-2·6	46·8	+0·4
p St. Leonards	178	49	15th	32	19th	44·9	35·9	40·2	- 6·6	5	0·35	9	+ 1	Folkestone	2·4	—	17	•	•	•	•	45·3	•
p Southampton	64	47	14th	30	19th	45·3	35·4	40·1	- 8·2	4	1·17	30	+ 21	St. Leonards	2·7	- 3·5	19	2	29	45·5	•	46·3	•
a Ventnor	59	48	14, 15, 20	31	19th	46·4	36·3	41·1	- 6·8	4	0·70	18	+ 10	Southampton	2·8	- 3·1	20	3	22	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	46	15th	32	19th	44·3	35·4	39·6	- 6·5	5	1·67	42	+ 35	Ventnor	3·1	- 3·0	22	•	•	•	•	•	•
a Westminster	27	49	15th	—	—	45·8	—	—	—	5	2·03	52	+ 45	Richmond	1·3	- 4·0	9	2	26	43·7	-3·7	45·7	-0·7
ag Greenwich	149	49	15th	32	16, 19	45·7	35·6	40·4	- 6·9	6	1·79	45	+ 37	Westminster	0·8	- 3·6	6	1	29	•	•	•	•
a Hampstead	450	45	15th	29	19th	42·6	33·4	37·8	—	5	1·97	50	—	Greenwich	1·1	- 3·9	8	2	27	•	•	•	•
ag Camden Square	110	50	15th	31	19th	46·0	37·3	41·4	- 5·8	6	2·24	57	+ 49	Hampstead	1·4	—	10	5	20	•	•	•	•
														Camden Square	1·4	- 3·3	10	3	25	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	17th	29	15th	43·9	32·4	37·9	- 6·9	2	0·25	6	- 5	Aspatria	3·1	- 2·3	22	4	23	41·9	•	44·0	•
p Newton Rigg	559	53	17th	30	14, 15	46·7	32·6	39·6	- 4·6	2	0·19	5	- 5	Newton Rigg	3·3	- 2·1	24	5	22	43·7	-1·7	43·1	-0·2
p Stonyhurst	375	51	16th	30	20th	44·4	35·0	39·5	- 5·4	2	0·25	6	- 7	Stonyhurst	4·1	- 1·1	29	5	24	•	•	•	•
p Blackpool	66	55	17th	33	14th	46·7	36·7	41·5	- 4·0	2	0·24	6	- 3	Blackpool	5·3	- 0·8	38	4	24	44·3	•	45·1	•
a Southport	37	55	17th	34	14, 15	46·3	36·6	41·2	- 4·6	3	0·26	7	- 2	Southport	5·1	- 0·9	36	4	26	44·3	-3·5	45·3	-0·9
														Hoylake	4·1	- 1·6	29	•	•	•	•	•	•
a Liverpool (Bidston)	188	51	17th	33	14th	45·3	36·4	40·6	- 5·8	2	0·28	7	- 1	Liverpool	3·5	—	25	1	30	•	•	•	•
a Hawarden Bridge	22	54	17th	34	15th	46·7	37·0	41·6	- 5·5	3	0·40	10	+ 3	Manchester (City)	2·6	- 1·9	19	0	31	42·2	-2·8	45·2	+0·1
p Manchester (Whit. Pk.)	125	51	17th	34	19th	45·2	37·4	41·1	- 5·8	3	0·20	5	- 4	Whitworth Park	2·0	- 2·2	14	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	51	17th	36	18th	46·9	38·7	42·6	- 4·3	2	0·31	8	- 1	Llandudno	3·7	- 2·4	26	•	•	•	•	•	•
a Holyhead	15	51	17th	37	14th	47·1	39·0	42·9	- 3·4	2	0·31	8	- 2	Holyhead	5·6	—	40	0	32	•	•	•	•
a Beddgelert	309	53	17th	32	20th	46·4	35·3	40·6	—	3	0·71	18	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	23	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																							
a Aberystwyth	59	54	17th	30	20th	48·0	36·9	42·2	—	2	0·39	10	—	Aberystwyth ..	3·4	- 2·1	24	*	*	*	*	*	*
a Rhayader	757	47	17th	30	15, 20	42·7	33·9	38·1	—	4	0·43	11	—	Rhayader ..	1·8	—	13	3	22	*	*	*	*
a St. Ann's Head ..	149	49	18, 20	35	15, 19	47·4	37·7	42·3	- 3·8	4	0·91	23	+ 13	Pembroke ..	5·2	- 0·8	37	*	*	*	*	*	*
p Cardiff	202	48	15th	32	19th	46·1	35·7	40·7	- 5·8	5	0·59	15	+ 3	Cardiff	3·7	—	27	3	24	45·1	-2·5	46·5	+0·4
b. ENGLAND, S.W.																							
a Bath	66	48	15th	28	19th	46·1	34·3	39·2	- 7·1	5	1·47	37	+ 27	Bath	*	*	*	*	*	46·1	-2·0	47·4	+0·5
a Shaftesbury	722	45	15th	~~31~~	~~15, 16~~	42·9	32·4	37·8	- 7·2	5	1·04	26	+ 16	Shaftesbury ..	*	*	*	*	*	43·6	*	46·0	*
a Arlington	613	46	15, 18, 19	32	15th	44·9	35·4	39·9	- 5·6	4	1·74	44	+ 29										
a Hartland Quay ..	100	48	20th	38	20th	46·0	40·1	42·9	—	4	0·55	14	—										
a Newquay	190	50	18th	35	19th	46·4	38·7	42·4	- 5·1	4	0·63	16	+ 7	Newquay ..	3·6	- 2·3	26	2	26	48·3	*	48·9	*
a Cullompton	202	50	15th	31	19th	46·6	35·7	40·9	- 6·2	5	0·98	25	+ 15	Cullompton ..	2·2	- 3·1	16	2	23	46·2	*	*	*
a Portland Bill ..	12	49	15th	33	19th	45·9	37·3	41·4	- 5·5	4	0·47	12	+ 4	Weymouth ..	3·3	—	24	*	*	*	*	*	*
p Plymouth	116	50	15, 18	32	19th	47·7	36·9	42·0	- 6·1	4	0·51	8	- 3	Plymouth ..	4·0	- 1·9	29	3	26	46·9	-3·0	48·1	*
a Falmouth	167	51	18, 20	35	15, 19	48·3	38·3	43·1	- 4·5	4	0·65	17	+ 5	Falmouth ..	3·9	- 2·3	28	2	30	50·5	*	50·5	*
9. IRELAND, N.																							
West .. *a* Malin Head	208	49	16, 17	36	15th	47·0	38·3	42·4	- 3·2	2	0·06	1	- 10	Malin Head ..	6·6	—	47	*	*	*	*	*	*
West .. *a* Blacksod Point ..	327	54	16th	37	14th	49·6	39·9	44·5	- 2·6	2	0·12	3	- 13	Markree Castle	5·8	+ 0·9	41	2	20	47·3	*	46·1	*
West .. *p* Markree Castle ..	122	59	17th	26	15th	53·3	37·9	45·2	- 0·7	2	0·30	8	- 7										
East .. *p* Armagh	196	55	16, 17	31	15th	50·6	34·3	42·1	- 3·9	2	0·09	2	- 10	Armagh	6·8	+ 2·0	49	6	24	46·2	-0·9	45·9	+0·1
East .. *a* Donaghadee	101	50	16th	35	14th	46·4	38·0	42·0	- 4·0	2	0·12	3	- 9										
10. IRELAND, S.																							
p Dublin, City	47	55	20th	32	15th	49·0	37·0	42·7	- 5·2	2	0·23	6	- 4	Trinity Coll. ..	*	*	*	2	15	45·6	-2·4	46·9	0·0
a Birr Castle	175	57	17th	27	15th	51·7	33·1	42·0	- 4·3	2	0·12	3	- 8	Phœnix Park ..	5·3	0·0	38	5	15	*	*	*	*
a Kilkenny	212	55	16th	29	15th	50·4	36·0	42·9	- 3·9	2	0·31	8	- 3	Dublin City ..	*	*	*	2	27	*	*	*	*
a Waterford	20	57	16, 17	31	15th	52·9	36·1	44·1	- 3·6	1	0·13	3	- 10	Birr Castle ..	7·3	+ 2·4	53	6	19	*	*	*	*
p Seskin, Carrick-on-Suir	541	58	20th	29	15th	51·4	34·9	42·8	—	2	0·21	5	—	Seskin	6·4	—	46	4	22	*	*	*	*
a Cahir	199	~~52~~	~~15-18~~	~~32~~	~~19~~	~~52·0~~	~~37·4~~	~~43·9~~	~~-3·0~~	~~2~~	~~0·46~~	~~12~~	—										
a Foynes	50	55	17th	35	15th	51·6	39·4	45·2	- 2·6	1	0·02	0·4	- 13										
a Cahirciveen (Val. Obs.)	30	54	17, 18	38	15, 19	51·6	40·6	45·8	- 2·4	2	0·16	4	- 14	Cahirciveen ..	7·3	+ 2·2	53	0	31	*	*	*	*
a Killarney	174	59	17th	31	15th	53·9	36·6	44·8	- 3·0	3	0·07	2	- 15	Ballinacurra ..	7·9	+ 2·5	57	*	*	*	*	*	*
a Roche's Point	32	58	16th	33	15th	53·6	38·1	45·5	- 2·3	1	0·09	2	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	18th	36	20th	48·9	40·7	44·6	- 3·8	4	0·59	15	+ 6	Scilly	3·1	- 3·1	23	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	50	18th	34	20th	46·7	39·7	43·0	- 6·1	1	0·52	13	+ 3	St. Heliers ..	1·8	- 4·8	13	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	51	15th	37	19, 20	47·0	40·1	43·4	- 5·7	4	0·52	13	+ 3	Guernsey† ..	1·8	- 4·8	13	1	27	47·8	-2·2	49·1	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 20th, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	13, 17 to 19	41	47	40	40	0	349	13	18	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	—	—	—	—	60	103	5	0	360	10	18	15	19	18	12	25
Edinburgh	485	39	31	—	—	18	3	90	75	0	0	23	11	18	6	20	18	6	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	16 to 18	7	107	46	8	0	11	13	18	11	18	18	11	15
Paisley	188	81	52	—	—	—	—	9	79	72	8	34	10	18	12	17	18	12	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	~~16, 19~~	~~4~~ 6	~~105~~ 126	~~45~~ 26	~~14~~ 10	— 0	~~326~~ 11	~~11~~ 12	~~19~~ 18	~~8~~ 16	~~21~~ 18	~~18~~ 18	~~17~~ 15	~~10~~ 25
South Shields	72	61	12	—	—	18													
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	14 to 16, 18	22	90	54	2	0	34	13	14	1	—	—	—	—
Gorleston	52	42	‡	—	—	14 to 16, 18, 19	69	33	28	0	38	11	15	15	16	21	15	16	0
Shoeburyness	103	90	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	98	55	15	0	23	10	18	10	16	18	10	5
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	80	88	0	0	—	8	14	17	18	18	9	25
Brighton	261	53	6	—	—	14	11	77	77	3	0	—	14	14	7	21	14	7	50
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	14, 15, 18	29	101	38	0	0	360	14	14	8	21	14	8	55
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	59	89	20	0	23	9	14	7	17	18	9	10
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	31	97	40	0	79	9	17	10	15	16	17	50
Fleetwood (Cup Anr.) ..	109	44	‡	—	—	16 to 19	25	113	28	2	0	315	15	19	13	—	—	—	—
Southport	80	62	48	—	—	16, 17, 19	14	124	29	1	0	315	14	19	12	17	19	13	10
Holyhead	60	40	‡	—	—	14, 16, 17, 19	34	106	23	5	0	45	14	17	3	17	19	17	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	100	63	5	0	360	10	15	11	15	19	11	5
Plymouth	185	88	2	—	—	—	—	15	134	19	0	—	8	18	11	14	18	10	50
Lyme Regis	556	61	‡	—	—	14, 15	14	116	27	11	0	—	13	14	7	19	14	5	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	17, 19	8	105	55	0	0	293	13	19	17	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	—	—	51	80	27	10	—	10	20	2	16	18	21	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	~~17~~	~~1~~	~~118~~	~~49~~	~~0~~	~~0~~	~~23~~	~~21~~	~~17~~	~~6~~	~~16~~	~~5~~	~~30~~	~~*~~
Weaver Pt.	100	30	‡	—	—	17, 19	4	75	72	17	0	—	12	19	21	17	19	21	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	18, 20	3	108	57	0	0	360	12	20	1	17	20	0	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTEENTH WEEK of 1918—April 14th to April 20th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	22	80·9	73·4	77·0	− 2·4	12	− 16	33	+ 16	3	− 1	0·21	5	− 12	3·5	−1·4	24	1023
Eastern.																			
1. SCOTLAND, EAST ...	58	22	80·2	72·8	76·3	− 3·2	8	− 26	36	+ 17	3	− 1	0·41	10	0	4·1	−0·9	29	1022
2. ENGLAND, N.E.	50	31	79·5	75·3	77·3	− 2·8	5	− 29	20	+ 8	5	+ 2	0·44	11	+ 3	2·4	−2·8	17	1018
3. ENGLAND, EAST ...	47	30	79·4	75·0	77·1	− 3·6	4	− 38	22	+ 11	6	+ 3	2·14	54	+ 47	1·8	−3·8	13	1014
4. MIDLAND COUNTIES ...	50	29	79·7	74·6	77·1	− 3·6	6	− 39	25	+ 12	4	+ 1	0·98	25	+ 17	1·5	−3·5	11	1016
5. ENGLAND, S.E.	52	27	80·2	74·8	77·4	− 3·9	8	− 37	24	+ 17	5	+ 2	1·17	30	+ 22	2·1	−3·6	15	1014
Western.																			
6. SCOTLAND, WEST ...	58	23	82·4	73·3	77·7	− 2·6	20	− 17	36	+ 25	2	− 2	0·18	5	− 10	7·4	+2·2	52	1022
7. ENGLAND, N.W.	54	29	80·7	75·3	77·9	− 2·8	11	− 27	22	+ 14	2	− 1	0·27	7	− 3	3·9	−1·5	28	1020
8. ENGLAND, S.W.	51	28	80·7	75·2	77·8	− 3·4	11	− 32	22	+ 16	4	+ 1	0·86	22	+ 11	3·4	−2·2	25	1017
9. IRELAND, NORTH ...	59	26	82·9	75·7	79·1	− 1·7	28	− 11	14	+ 7	2	− 2	0·13	3	− 10	6·3	+1·5	45	1023
10. IRELAND, SOUTH ...	59	27	84·0	75·8	79·7	− 1·9	35	− 10	14	+ 9	2	− 2	0·14	4	− 9	7·0	+1·8	50	1023
11. ENGLISH CHANNEL ...	52	34	81·6	77·6	79·5	− 2·9	19	− 29	5	+ 5	3	0	0·54	14	+ 4	2·2	−4·3	16	1016

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, March 3rd to April 20th, 1918.

0. SCOTLAND, NORTH ...	61	20	81·2	75·2	78·1	+ 0·3	105	− 14	150	− 30	26	− 7	3·38	85	− 74	3·1	−0·7	25	1015
Eastern.																			
1. SCOTLAND, EAST ...	65	9	81·4	74·1	77·6	− 0·3	114	− 36	210	+ 10	25	− 4	1·98	49	− 41	2·9	−1·3	23	1016
2. ENGLAND, N.E.	71	24	81·9	75·8	78·7	0·0	154	− 14	111	− 37	27	+ 1	2·19	55	− 11	2·8	+1·7	22	1016
3. ENGLAND, EAST ...	72	22	82·8	75·2	78·8	− 0·3	193	− 17	130	− 19	24	+ 1	3·43	87	+ 24	3·7	−0·9	29	1015
4. MIDLAND COUNTIES ...	72	22	82·9	75·1	78·9	− 0·2	198	− 23	132	− 29	23	0	3·02	76	+ 7	2·8	−1·4	22	1015
5. ENGLAND, S.E.	71	24	83·3	75·8	79·4	− 0·3	213	− 10	111	+ 1	21	− 2	3·06	78	+ 8	4·1	−0·5	33	1015
Western.																			
6. SCOTLAND, WEST ...	61	23	82·2	75·3	78·6	− 0·2	154	− 10	132	− 5	20	− 9	2·98	77	− 53	3·6	−0·7	29	1016
7. ENGLAND, N.W.	66	28	82·3	76·0	79·1	0·0	167	− 8	99	− 22	21	− 4	2·21	56	− 35	3·5	−0·8	28	1015
8. ENGLAND, S.W.	70	23	83·0	76·4	79·8	+ 0·1	194	− 21	88	− 5	22	− 3	3·69	94	− 10	4·1	−0·6	33	1015
9. IRELAND, NORTH ...	65	23	82·9	76·0	79·3	0·0	195	+ 7	96	− 17	22	− 9	2·68	68	− 39	4·2	+0·1	34	1015
10. IRELAND, SOUTH ...	71	23	83·8	76·8	80·2	+ 0·1	233	− 1	71	− 15	25	− 3	3·95	100	− 12	4·4	−0·2	35	1015
11. ENGLISH CHANNEL ...	66	31	84·0	78·3	81·1	0·0	249	− 8	19	− 8	23	− 4	2·71	69	− 18	5·1	−0·4	41	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 16 Weeks, December 30th, 1917, to April 20th, 1918.

0. SCOTLAND, NORTH ...	61	5	80·0	74·4	77·2	+ 0·2	199	+ 21	488	− 12	78	− 1	16·72	423	− 11	2·0	−0·4	20	1012
Eastern.																			
1. SCOTLAND, EAST ...	65	−3	80·1	73·7	76·9	+ 0·1	200	− 13	566	− 8	65	0	7·74	195	− 22	2·2	−0·7	22	1013
2. ENGLAND, N.E.	71	9	80·8	75·2	78·0	+ 0·5	264	+ 14	373	− 80	62	+ 2	6·02	151	− 4	2·3	−0·9	23	1015
3. ENGLAND, EAST ...	72	14	81·4	74·8	78·0	+ 0·3	315	+ 14	400	− 76	57	− 1	6·96	177	+ 25	3·0	−0·3	28	1017
4. MIDLAND COUNTIES ...	72	12	81·6	75·0	78·3	+ 0·6	336	+ 14	383	−114	56	− 2	7·18	182	+ 7	2·3	−0·6	22	1017
5. ENGLAND, S.E.	71	15	81·8	75·5	78·6	+ 0·2	349	+ 9	345	− 25	53	− 4	7·73	196	+ 12	3·2	−0·1	30	1017
Western.																			
6. SCOTLAND, WEST ...	61	5	80·9	75·3	78·1	+ 0·3	269	+ 19	351	− 45	67	− 4	14·04	358	+ 3	2·3	−0·5	23	1014
7. ENGLAND, N.W.	66	12	81·5	76·1	78·7	+ 0·7	328	+ 61	262	−109	59	− 3	8·56	218	− 21	2·4	−0·6	24	1015
8. ENGLAND, S.W.	70	16	81·9	76·5	79·3	+ 0·5	382	+ 23	248	− 46	58	− 5	10·81	276	− 5	2·9	−0·4	27	1017
9. IRELAND, NORTH ...	65	18	81·8	76·1	79·0	+ 0·5	373	+ 61	265	− 63	69	− 6	10·26	260	− 19	2·6	−0·2	25	1013
10. IRELAND, SOUTH ...	71	19	82·7	77·0	79·8	+ 0·5	475	+ 59	210	− 44	70	+ 1	12·90	328	+ 24	2·8	−0·4	26	1015
11. ENGLISH CHANNEL ...	66	26	82·8	78·2	80·5	+ 0·1	491	+ 17	91	− 14	60	− 9	6·60	167	− 70	3·8	−0·1	36	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : April 25th, 1918.

EXAMINED BY - -
AUTHORITY FOR ISSUE
ISSUED ON - - 65

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 17.

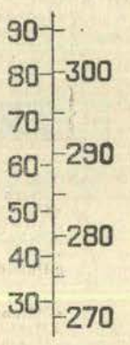
THE SEVENTEENTH WEEK OF 1918.
SUNDAY, APRIL 21ST, TO SATURDAY, APRIL 27TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

On Sunday the 21st a shallow depression lay over the Channel and South of England, and rain or sleet was experienced in those regions. On Thursday and Friday thunderstorms, in many places with hail, occurred over the South Midlands and the Home Counties. With these exceptions the weather was mostly fair over the greater part of England, and over Ireland, Scotland and the west of England very fine and bright. Winds being generally drawn from the North Sea the mean temperature for the week was below the normal over the eastern half of Great Britain, and above it over the western districts. The highest readings, about 295 a., occurred at Killarney on the 26th and 27th, and at Fort William and Kilmarnock on the 25th and 26th; whereas on the north-east coast of England, the thermometer failed to reach 285 a. on any day. The lowest minima also occurred in Scotland, the thermometer in the screen reading 269 a. or 270 a. on the morning of the 21st, when the grass minimum went down to 264 a. at West Linton and 266 a. at Ford (Argyll); the latter reading was also reported at Newton Rigg and at Norwich (Southwell Lodge); at Eaton the corresponding reading was 269 a. Fog was very prevalent on two or three days in the middle of the week over the eastern half of Great Britain. Except in the east and south-east of England sunshine was exceptionally abundant, the daily mean over the western districts being 3½ to 4 hours in excess of the normal; at Stornoway there were 86 hours during the week, or 82 per cent. of the possible duration. The effectiveness of radiation is shown by the large average daily range at all the western stations; that at Fort William was nearly 16 a.

A lunar halo was observed at Oxford on the night of the 22nd and a display of aurora at Aberdeen on the 25th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	3·3	3	1·6	3	4·0	3	2·3	1	2·2	7	2·1	8	2·5	14	3·0
North	6	1·8	20	1·6	24	3·2	19	3·2	20	3·0	16	3·2	8	2·1	5	2·7
West	0	—	4	2·1	15	1·5	0	—	4	2·2	3	3·1	4	1·5	9	2·0
East	26	3·4	23	3·0	9	5·1	16	2·0	15	3·8	18	1·5	12	2·6	10	2·9
Calm	1	—	0	—	0	—	6	—	6	—	3	—	11	—	8	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Light	Light	Very light	Moderate	Light	Moderate	Nought	Very light	Very light	Very light	Very light	Light
	Sunshine ...	Very abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 8 weeks from Mar. 3rd, 1918.	Warmth ...	3, 4, 1	2, 3, 3	2, 5, 1	2, 5, 1	2, 5, 1	2, 5, 1	2, 5, 1	3, 4, 1	2, 5, 1	3, 3, 2	3, 3, 2	0, 7, 1
	Rainfall ...	0, 3, 5	1, 3, 4	1, 2, 5	2, 4, 2	3, 1, 4	3, 2, 3	1, 3, 4	0, 4, 4	3, 1, 4	1, 2, 5	1, 3, 4	1, 5, 2
	Sunshine ...	3, 1, 4	1, 4, 3	2, 0, 6	1, 3, 4	2, 0, 6	2, 4, 2	2, 3, 3	2, 4, 2	2, 3, 3	3, 3, 2	4, 1, 3	1, 6, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(17222—19.) Wt. 199—789. 450. 5/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F	in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N. a Lerwick	54	55	26th	35	21st	48·9	40·4	44·5	+ 2·5	2	0·51	13	0									
a. Islands p Deerness	160	54	26th	37	21st	47·4	40·7	43·9	—	2	0·24	6	- 6	Deerness	4·5	- 0·4	30	•	•	•	•	•	•
a Stornoway	51	61	26, 27	35	21, 23	56·1	38·6	46·9	+ 2·8	0	0·00	0	- 16	Stornoway	12·3	+ 7·1	82	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	62	26th	40	21st	54·9	44·6	49·5	—	0	0·00	0	—	Castlebay	10·6	—	71	•	•	•	•	•	•
b. Main- a Wick	81	49	25, 26	32	22nd	46·4	37·4	41·7	- 2·0	1	0·05	1	- 11									
land. p Glencarron	500	66	25–27	30	22nd	58·9	35·4	46·6	+ 2·9	0	0·00	0	- 30									
p Fort Augustus	88	63	24th	26	21st	55·1	32·1	43·1	+ 1·7	0	0·00	0	- 14	Fort Augustus	?5·4	+4·6	56	•	•	•	•	•	•
p Fort William	171	72	25th	29	21, 22	63·4	35·1	48·6	+ 2·6	0	0·00	0	- 24									
1. SCOTLAND, E. a Nairn	82	55	24th	27	21, 22	51·3	33·6	42·0	- 2·0	3	0·06	2	- 8	Nairn	6·9	—	46	•	•	•	•	•	•
p Gordon Castle	101	67	25, 26	29	21st	58·1	36·1	46·6	+ 2·3	2	0·04	1	- 11	Gordon Castle	9·3	—	62	•	•	•	•	•	•
a Aberdeen	46	59	26th	34	21st	52·3	37·6	44·6	+ 0·8	2	0·06	1	- 12	Aberdeen	6·5	+ 1·1	44	1	30	•	•	43·6	+0·2
a Balmoral	930	64	27th	24	22nd	56·1	30·0	42·4	+ 1·5	1	0·01	0	- 14	Balmoral	•	•	•	6	22	•	•	•	•
p Crieff	432	67	27th	30	22nd	57·1	34·3	45·2	+ 0·4	1	0·01	0	- 14	Crathes	8·5	+ 3·3	57	4	24	45·2	0·0	43·6	+0·2
a Dundee	244	62	27th	29	22nd	55·1	34·6	44·4	+ 0·1	0	0·00	0	- 11	Dundee	9·0	—	61	4	23	44·4	•	•	•
a Leith	30	59	27th	33	21st	50·6	37·3	43·6	- 1·9	2	0·08	2	- 7	Leith	•	•	•	2	28	•	•	•	•
p Edinburgh	441	58	27th	32	21st	49·9	37·0	43·1	- 0·9	1	0·03	1	- 8	Edinburgh	6·4	+ 1·5	44	5	23	•	•	•	•
a West Linton	769	61	25th	24	21st	53·9	31·6	42·2	+ 0·8	1	0·04	1	—	West Linton	7·2	—	49	5	16	•	•	•	•
p Marchmont	498	61	26th	29	21st	53·1	35·1	43·7	+ 0·3	2	0·05	1	- 13	Marchmont	7·6	+ 2·6	52	•	•	•	•	•	•
6. a. SCOTLAND, W. a Ford (Argyll)	149	66	27th	28	21st	57·9	35·2	46·0	—	0	0·00	0	—	Ford (Argyll)	•	•	•	5	20	46·4	•	43·9	•
p Glasgow Observatory	180	66	27th	31	22nd	56·7	37·7	46·7	+ 0·4	0	0·00	0	- 15	Glasgow	7·6	+ 3·2	52	3	24	•	•	•	•
p Rothesay	200	66	27th	33	21st	56·1	39·4	47·4	+ 0·8	0	0·00	0	- 19	Rothesay	9·1	—	62	3	27	45·7	•	45·1	-0·4
a Kilmarnock	90	70	25, 26	26	21st	62·0	34·9	47·8	+ 2·1	0	0·00	0	- 15	Kilmarnock	8·4	—	58	•	•	44·2	•	44·0	•
a Colmonell	170	70	26th	27	21st	60·1	35·3	47·1	+ 1·2	0	0·00	0	- 16	Colmonell	•	•	•	4	22	•	•	•	•
p Cally, Gatehouse	120	70	26th	29	21, 23	60·4	37·4	48·4	+ 2·6	0	0·00	0	- 19	Dumfries	8·5	—	58	4	23	45·0	•	44·6	•
p Dumfries	180	68	26th	29	21st	60·1	37·7	48·4	+ 1·7	0	0·00	0	- 15	Eskdalemuir	8·7	—	60	4	19	•	•	•	•
a Eskdalemuir	794	64	26, 27	25	21, 22	57·0	33·9	44·9	—	0	0·00	0·1	—										
b. I. OF MAN p Douglas	277	67	25th	36	21, 22	58·3	41·3	49·4	+ 3·0	0	0·00	0	- 15	Douglas	11·4	+ 5·2	78	3	29	•	•	•	•
2. ENGLAND, N.E. a Alnwick Castle	210	59	26th	29	21st	51·6	37·9	44·0	- 1·2	0	0·00	0·1	- 13										
a Tynemouth	71	49	26, 27	34	22nd	45·9	38·1	41·8	- 3·5	0	0·00	0	- 11	Cockle Park	7·6	+ 2·6	52	2	22	44·0	-1·1	43·1	-1·2
p Durham	336	64	26th	31	21st	55·7	36·4	45·6	+ 0·2	1	0·02	0·4	- 11	Durham	7·7	+ 3·0	53	2	26	•	•	•	•
a North p Rounton	249	58	27th	26	21st	51·7	35·3	43·1	- 2·1	2	0·04	1	- 11	Rounton	•	•	•	4	22	43·0	•	•	•
a West Witton	605	63	26, 27	31	21st	56·6	38·3	47·0	—	2	0·06	2	—	West Witton	•	•	•	3	24	43·6	•	41·7	•
p Scarborough	100	55	25, 27	40	21, 22	51·3	43·0	47·0	+ 0·7	1	0·04	1	- 10	Scarborough†	6·4	+ 1·1	44	•	•	•	•	44·9	•
p York	56	66	26th	31	22nd	58·0	37·7	47·4	- 0·2	1	0·02	1	- 10	York	7·8	+ 3·1	53	•	•	45·0	-2·0	44·3	-1·0
a Spurn Head	26	51	27th	32	21st	48·0	39·3	43·4	- 3·1	1	0·04	1	- 7	Spurn Head	6·6	—	45	•	•	•	•	•	•
b South a Lincoln	58	65	27th	33	21st	57·0	38·5	47·3	- 0·8	0	0·00	0	- 10	Lincoln	•	•	•	3	27	45·4	-2·3	44·7	-0·7
a Fulbeck	180	66	27th	31	21st	57·1	36·9	46·5	- 1·3	2	0·05	1	- 10	Rauceby	8·0	+ 2·4	56	•	•	45·6	-4·6	44·6	-2·0
														Skegness	6·9	+ 1·0	48	•	•	•	•	•	•
3. ENGLAND, E. p Cromer	196	50	26, 27	33	21st	48·4	38·0	43·0	- 3·8	4	0·19	5	- 5	Cromer	5·5	- 0·4	38	•	•	•	•	•	•
a Little Massingham	280	56	26th	28	21st	52·3	36·1	43·8	- 3·5	4	0·15	4	- 9	Lit. Massingham	7·9	+ 1·3	49	•	•	•	•	•	•
a Yarmouth	13	55	26, 27	39	21, 24, 25	50·7	40·0	45·1	- 1·4	3	0·47	12	+ 1	Yarmouth	6·5	—	45	0	35	45·4	-5·2	45·6	-3·2
a Norwich	93	59	26th	31	21st	53·7	38·1	45·5	- 2·2	3	0·45	11	- 2	Norwich	6·8	—	48	3	25	45·3	•	•	•
a Geldeston	37	60	26, 27	32	22nd	54·9	37·6	45·8	- 1·4	2	0·40	10	- 1	Geldeston	7·1	+ 1·1	50	•	•	•	•	•	•
p Cambridge	41	63	26th	32	24th	55·7	38·4	46·6	- 1·6	2	0·22	6	- 5	Cambridge	4·6	- 1·2	32	3	28	46·0	-3·3	45·2	-2·5
a Clacton-on-Sea	54	62	27th	35	21st	55·4	40·1	47·4	+ 0·2	4	0·19	5	- 4	Clacton	6·8	+ 0·3	48	0	34	46·7	-2·2	46·2	-2·1
a Rothamsted	424	61	25–27	32	21st	53·9	37·6	45·4	- 1·9	2	0·44	11	- 2	Rothamsted	5·0	- 0·6	35	2	26	42·7	•	•	•
p Tottenham	51	65	25th	36	21st	56·1	40·3	47·8	—	4	0·36	9	—	Tottenham	4·6	—	32	0	34	•	•	45·4	-2·5
4. MIDLAND COUNTIES. a Harrogate	479	62	26th	30	21st	55·3	36·7	45·6	+ 0·1	1	0·02	1	- 12	Harrogate	8·6	+ 3·2	59	3	25	43·7	-1·4	43·6	-1·3
a North a Sheffield	429	65	26th	31	21st	57·4	39·3	47·9	—	1	0·03	1	—	Sheffield	6·2	+ 1·2	43	1	26	42·9	-3·2	42·9	-1·1
p Buxton	987	54	26	29	31	54·9	36·7	45·4	—	1	0·75	9	-16	Buxton	5·7	—	54	3	27	42·2	-4·3	42·2	-1·6
a Bawtry	65	66	25th	29	21st	59·6	38·1	47·3	- 0·2	1	0·01	0	- 11	Worksop	7·7	+ 2·8	54	4	21	46·2	•	44·6	•
a Nottingham	82	66	27th	32	21st	57·1	38·0	47·1	- 0·4	2	0·17	4	- 7	Nottingham	7·1	+ 1·7	49	0	32	44·3	-3·3	42·7	-2·2
b. East p Birmingham, Edgbsn.	535	65	25–27	32	21st	56·6	39·3	47·5	+ 0·1	1	0·27	7	- 6	Birmingham	6·0	+ 1·7	42	1	30	41·5	-3·9	44·0	-1·0
a Raunds	203	64	27th	31	21st	56·6	37·1	46·4	- 1·5	1	0·14	4	- 8	Raunds	6·1	—	43	4	32	44·9	•	45·0	•
p Oxford	208	65	25th	34	21st	56·1	40·0	47·7	- 0·8	3	0·40	10	- 2	Oxford	5·7	+ 0·1	40	1	25	•	•	•	•
a Cheadle (N. Staffs.)	646	67	26th	32	21st	58·3	39·1	48·2	+ 2·0	1	0·12	3	- 11	Cheadle	•	•	•	3	28	•	•	•	•
c. West p Shrewsbury	191	69	26th	30	23rd	60·6	37·4	48·4	+ 0·7	2	0·32	8	- 2	Shrewsbury	•	•	•	2	24	•	•	•	•
a Hereford	291	65	25–27	31	23rd	59·4	37·3	47·8	- 0·4	2	0·27	7	- 6	Malvern	7·3	—	51	0	32	45·1	•	44·2	•
a Clifton	229	68	26th	34	23rd	59·7	40·4	49·6	+ 0·1	1	0·24	6	- 12	Clifton	7·7	—	54	0	34	•	•	•	•
5. ENGLAND, S.E. a Marlborough	424	63	25th	29	23rd	56·3	37·0	46·2	- 0·7	2	0·04	1	- 15	Worthing	4·9	- 1·6	35	1	30	46·4	-4·2	46·7	-1·6
p Salisbury (Wilton)	180	65	25, 26	31	22nd	58·7	38·2	48·0	- 0·3	1	0·02	1	- 17	Marlborough	5·2	0·0	36	2	21	46·4	•	45·9	•
a Wisley, Surrey	150	64	25th	32	21st	56·1	38·3	46·8	- 1·5	3	0·72	18	+ 6	Salisbury	•	•	•	2	29	48·0	•	•	•
a Tunbridge Wells	354	64	25th	34	21st	57·6	38·0	47·3	- 0·8	5	0·93	24	+ 8	Wisley	4·6	- 1·1	32	5	25	45·0	-3·6	44·8	-2·3
a Margate	51	58	27th	37	21st	51·7	41·7	46·5	- 2·0	2	0·11	3	- 9	Tunbridge Wells	4·1	- 1·9	29	4	25	45·5	-2·8	45·4	•
a Dungeness	21	62	27th	33	24th	54·1	37·3	45·3	- 2·4	3	0·06	2	- 9	Margate	5·4	- 0·6	38	1	29	47·3	-1·1	46·5	-0·7
p St. Leonards	178	63	25th	38	21st	55·4	41·6	48·2	- 0·3	4	0·33	9	- 4	Folkestone	5·8	—	41	•	•	•	•	45·0	•
p Southampton	64	64	25, 26	33	22nd	57·9	39·9	48·5	- 1·5	2	0·12	3	- 13	St. Leonards	4·8	- 1·8	34	0	32	46·3	•	46·0	•
a Ventnor	59	65	25th	35	22nd	56·4	41·0	48·3	- 1·2	2	0·44	11	- 3	Southampton	4·9	- 1·3	34	2	27	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	64	25th	34	21st	55·1	39·0	46·7	- 2·2	2	0·62	16	+ 3	Ventnor	6·0	- 0·4	43	•	•	•	•	•	•
a Westminster	27	66	25th	—	—	57·3	—	—	—	5	0·49	13	+ 1	Richmond	4·7	- 0·9	33	2	27	45·1	-3·7	45·1	-2·1
ag Greenwich	149	66	25th	35	21st	57·0	39·7	47·9	—	5	0·44	11	—	Westminster	4·1	- 0·7	29	•	•	•	•	•	•
a Hampstead	450	63	25th	32	21st	54·0	37·6	45·4	—	4	0·40	10	—	Greenwich	4·0	—	28	2	27	•	•	•	•
ag Camden Square	110	70	25th	35	21st	59·1	40·1	49·1	- 1·2	5	0·35	9	- 5	Hampstead	5·2	—	36	4	27	•	•	•	•
														Camden Square	4·4	- 0·5	31	3	30	•	•	•	•
7. a. ENGLAND, N.W. p Aspatria (Mealsgate)	487	65	25th	29	21st	57·3	36·3	46·3	+ 0·2	0	0·00	0	- 16	Aspatria	9·4	+ 4·2	64	3	24	44·5	•	43·8	•
p Newton Rigg	559	67	25, 26	28	21, 22	59·3	34·7	46·4	+ 1·1	0	0·00	0	- 15	Newton Rigg	9·8	+ 4·6	67	4	20	45·5	-1·1	43·4	-0·8
p Stonyhurst	375	65	25, 26	33	21st	57·9	40·4	48·7	+ 2·4	0	0·00	0	- 19	Stonyhurst	9·9	+ 4·8	69	3	25	•	•	•	•
p Blackpool	66	68	25th	31	21st	59·3	37·9	48·1	+ 1·3	0	0·00	0	- 13	Blackpool	9·6	+ 3·7	67	5	23	45·1	•	45·0	•
a Southport	37	70	26th	30	21st	59·3	38·6	48·5	+ 1·3	0	0·00	0	- 13	Southport	9·0	+ 3·2	63	4	22	45·6	-3·8	45·5	-2·0
														Hoylake	9·4	+ 4·0	65	•	•	•	•	•	•
a Liverpool (Bidston)	188	66	25th	32	21st	58·0	39·6	47·4	- 0·4	1	0·04	1	- 11	Liverpool	8·1	—	53	3	29	•	•	•	•
a Hawarden Bridge	22	67	25th	31	21st	58·0	39·9	48·5	+ 0·1	2	0·09	2	- 8	Manchester (City)	6·6	+ 2·2	46	0	31	44·0	-2·5	45·1	-0·9
p Manchester (Whit. Pk.)	125	68	26th	34	21, 23	59·6	40·4	49·5	+ 1·1	1	0·00	0·1	- 14	Whitworth Park	6·5	+ 2·4	45	•	•	•	•	•	•
b. NORTH WALES. p Llandudno	16	60	26, 27	33	23rd	55·1	37·4	45·8	- 2·3	1	0·05	1	- 11	Llandudno	11·1	+ 5·3	77	•	•	•	•	•	•
a Holyhead	1	61	26th	34	23rd	55·6	39·7	47·3	- 0·1	0	0·00	0·1	- 14	Holyhead	11·1	—	77	3	?23	•	•	•	•
a Beddgelert	309	67	25th	28	23rd	59·0	37·3	47·6	—	1	0·11	3	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 ft.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	60	24th	34	21st	54·0	39·4	46·4	—	1	0·01	0	—	Aberystwyth ..	9·2	+ 3·5	64	•	•	•	•	•	•
a Rhayader	757	65	25th	26	23rd	57·0	34·7	45·8	—	2	0·31	8	—	Rhayader ..	7·2	—	50	3	17	•	•	•	•
a St. Ann's Head	149	64	27th	35	22nd	54·4	40·9	47·8	± 0·1	1	0·02	0·4	− 16	Pembroke ..	10·5	+ 4·2	73	•	•	•	•	•	•
p Cardiff	202	66	26th	32	22nd	58·3	40·0	48·7	+ 0·6	3	0·12	3	− 18	Cardiff	7·3	—	51	2	25	46·7	−2·3	46·1	−0·9
b, ENGLAND, S.W.																						
a Bath	66	66	25, 26	31	23rd	59·6	38·6	48·6	0·0	0	0·00	0	− 16	Bath	•	•	•	•	•	47·8	−1·3	47·0	−0·8
a Shaftesbury	722	63	25th	30	22nd	56·4	38·0	46·8	− 0·4	0	0·00	0	− 18	Shaftesbury ..	•	•	•	•	•	46·5	•	45·8	•
a Arlington	613	67	25th	32	22, 23	58·0	38·5	47·8	+ 0·8	1	0·02	1	− 24										
a Hartland Quay ..	100	63	25th	38	22nd	54·4	43·4	48·6	—	0	0·00	0	—										
a Newquay	190	60	26, 27	32	23rd	54·4	38·6	46·1	− 2·7	0	0·00	0·1	− 15	Newquay ..	9·8	+ 3·5	70	5	21	50·1	•	48·7	•
a Cullompton	202	68	26th	31	23rd	61·0	38·9	49·4	+ 0·7	1	0·02	1	− 18	Cullompton ..	8·8	+ 3·1	62	2	26	47·9	•	•	•
a Portland Bill	19	61	25th	35	22nd	54·4	42·6	48·2	− 0·1	1	0·08	2	− 11	Weymouth ..	8·0	—	57	•	•	•	•	•	•
p Plymouth	116	62	27th	34	23rd	56·3	40·6	48·1	− 1·5	2	0·21	5	− 13	Plymouth ..	9·9	+ 3·6	70	2	28	48·9	−2·1	48·0	•
a Falmouth	167	65	27th	35	23rd	56·3	40·6	48·1	− 0·9	1	0·02	1	− 19	Falmouth ..	11·1	+ 4·5	79	3	28	52·2	•	50·7	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	57	24th	37	21, 22	52·4	41·4	46·6	+ 0·4	0	0·00	0	− 12	Malin Head ..	10·1	—	69	•	•	•	•	•	•
a Blacksod Point ..	327	65	26th	40	21st	57·0	43·3	49·8	+ 2·2	2	0·05	1	− 17	Markree Castle	9·5	+ 4·4	65	2	27	49·6	•	46·7	•
p Markree Castle ..	122	71	27th	31	25th	61·9	35·3	48·0	+ 1·5	0	0·00	0	− 17										
b, East .. *p* Armagh	196	67	27th	31	23, 24	59·0	36·1	47·0	+ 0·7	0	0·00	0	− 14	Armagh	10·7	+ 5·7	73	5	24	47·2	+0·1	46·3	−0·4
a Donaghadee	101	63	27th	36	21st	53·9	40·7	47·0	+ 0·4	1	0·01	0·3	− 13										
10. IRELAND, S.																						
p Dublin, City	47	62	27th	36	23rd	56·7	39·7	47·8	− 1·1	1	0·01	0·2	− 14	Trinity Coll. ..	•	•	•	3	26	48·1	−1·0	47·1	−0·6
a Birr Castle	175	69	27th	32	22nd	61·1	36·6	48·3	+ 1·0	1	0·04	1	− 15	Phœnix Park ..	11·4	+ 5·8	79	6	18	•	•	•	•
a Kilkenny	212	68	26th	29	22nd	60·3	36·6	47·9	+ 0·1	1	0·01	0·2	− 16	Dublin City ..	•	•	•	0	32	•	•	•	•
a Waterford	20	71	27th	32	22, 23	61·9	37·9	49·3	+ 0·7	1	0·03	1	− 16	Birr Castle ..	9·3	+ 4·2	65	4	25	•	•	•	•
p Seskin, Carrick-on-Suir	541	69	26, 27	35	23, 24	60·0	39·1	49·1	—	0	0·00	0	—	Seskin	9·9	—	69	4	21	•	•	•	•
a Cahir	199	72	27	33	23 25	62·3	35·7	47·2	−2·5	1	0·02	1	—										
a Foynes	50	68	26, 27	37	23rd	59·6	40·7	49·7	+ 1·0	1	0·02	1	− 16										
a Cahirciveen (Val. Obs.)	30	65	25, 27	37	25th	58·1	42·7	50·0	+ 1·0	1	0·08	2	− 23	Cahirciveen ..	7·7	+ 2·2	54	0	32	•	•	•	•
a Killarney	174	73	26, 27	36	25th	64·2	41·7	52·4	+ 3·7	3	0·21	5	− 15	Ballinacurra ..	7·3	+ 1·6	51	•	•	•	•	•	•
a Roche's Point	32	61	27th	35	24th 22	54·1	40·9	47·2	− 1·4	3	0·10	3	− 16										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	63	25, 27	40	24th	56·7	43·9	50·0	+ 0·6	2	0·04	1	− 13	Scilly	10·3	+ 4·0	73	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	26, 27	36	21st	55·6	40·4	47·6	− 2·8	1	0·16	4	− 10	St. Heliers ..	8·3	+ 1·5	59	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	61	26, 27	38	22nd	56·9	43·0	49·6	− 0·8	1	0·14	4	− 11	Guernsey† ..	9·9	+ 3·1	70	0	31	49·5	−1·8	49·1	−0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 27th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	45	122	1	0	146	9	24	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	104	64	0	79	4	27	12	9	23	22	0
Aberdeen	153	105	52	—	—	—	—	4	98	66	0	56	7	27	18	12	21	3	15
Edinburgh	485	39	31	—	—	—	—	6	160	2	0	45	6	21	17	10	21	10	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	51	97	20	0	67	9	21	12	14	25	14	25
Paisley	188	81	52	—	—	—	—	2	98	68	0	90	6	25	16	12	21	13	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	1	130	37	0	337	6	27	10	10	27	13	5
South Shields	72	61	12	—	—	—	—	34	119	15	0	11	8	27	12	11	27	13	5
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	21	4	28	132	4	0	90	12	21	19	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	116	50	2	0	90	11	21	19	14	22	10	55
Shoeburyness	103	90	‡	—	—	21	7	51	88	9	13	135	13	21	9	16	21	8	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	20	103	45	0	135	9	21	9	14	21	9	25
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	27	141	0	0	—	9	21	9	15	21	9	15
Brighton	261	53	6	—	—	21	1	37	87	31	12	—	11	21	5	17	21	6	15
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	59	99	10	0	315	8	25	19	13	27	17	35
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	9	111	48	0	101	8	21	7	14	21	10	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	66	102	0	90	5	21	15	11	21	15	30
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	31	124	13	0	315	9	22	20	—	—	—	—
Southport	80	62	48	—	—	—	—	59	96	13	0	56	10	21	13	16	21	13	15
Holyhead	60	40	‡	—	—	—	—	50	80	38	0	45	11	21	15	16	21	15	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	10	48	110	0	315	8	21	16	13	21	14	45
Plymouth	136	88	2	—	—	—	—	1	83	84	0	—	6	21	13	11	21	15	10
Lyme Regis ..	556	61	‡	—	—	—	—	25	58	85	0	—	7	27	24	11	21	0	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	15	81	72	0	45	7	21	12	—	—	—	—
Quilty ..	100	40	‡	—	—	—	—	37	44	67	20	—	10	24	10	15	23	—	—
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	40	77	51	0	157	9	23	11	14	24	3	50
Weaver Pt.	160	30	‡	—	—	—	—	2	35	124	7	—	6	23	11	10	21	2	30
11. ENGLISH CHANNEL																			
Scilly	150	32	†	—	—	21	3	12	38	115	0	337	11	21	4	17	21	5	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTEENTH WEEK of 1918—April 21st to April 27th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	26	85·7	75·5	80·3	+ 0·4	45	+ 14	15	+ 3	1	− 3	0·09	2	− 15	8·4	+3·8	56	1022
Eastern.																			
1. SCOTLAND, EAST ...	67	24	85·3	74·4	79·6	− 0·5	44	+ 7	21	+ 7	2	− 2	0·04	1	− 11	7·5	+2·2	51	1021
2. ENGLAND, N.E.	66	26	84·6	76·3	80·3	− 0·5	39	0	11	+ 3	1	− 3	0·02	1	− 10	7·4	+2·1	51	1019
3. ENGLAND, EAST ...	65	28	84·9	76·6	80·6	− 1·0	40	− 8	10	+ 3	3	− 1	0·32	8	− 4	5·9	+0·1	41	1016
4. MIDLAND COUNTIES ...	69	29	87·4	76·4	81·7	+ 0·1	56	+ 6	11	+ 2	2	− 2	0·20	5	− 8	7·0	+1·6	49	1017
5. ENGLAND, S.E.	65	29	86·3	77·0	81·4	− 0·8	48	− 2	8	+ 4	3	− 1	0·34	9	− 5	5·0	−1·0	35	1015
Western.																			
6. SCOTLAND, WEST ...	70	26	88·0	76·0	81·7	+ 0·8	59	+ 18	13	+ 5	0	− 4	0·00	0	− 18	9·5	+4·2	65	1021
7. ENGLAND, N.W.	70	28	87·2	76·6	81·7	+ 0·3	54	+ 12	10	+ 5	1	− 3	0·02	1	− 13	9·8	+4·6	68	1018
8. ENGLAND, S.W.	68	26	87·0	77·1	81·8	− 0·2	52	+ 4	8	+ 5	1	− 3	0·08	2	− 17	9·5	+3·6	66	1016
9. IRELAND, NORTH ...	71	31	87·2	76·8	81·8	+ 0·6	54	+ 13	9	+ 4	1	− 4	0·02	1	− 14	10·1	+5·1	69	1019
10. IRELAND, SOUTH ...	73	29	87·6	77·2	82·2	+ 0·1	56	+ 7	7	+ 4	1	− 3	0·04	1	− 18	8·9	+3·4	62	1018
11. ENGLISH CHANNEL ...	63	36	86·6	78·8	82·5	− 0·5	50	− 7	0	0	1	− 3	0·11	3	− 11	9·5	+2·8	67	1016

THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, March 3rd to April 27th, 1918.

0. SCOTLAND, NORTH ...	72	20	81·7	75·2	78·4	+ 0·3	150	0	165	− 27	27	−10	3·47	87	− 89	3·8	−0·1	29	1016
Eastern.																			
1. SCOTLAND, EAST ...	67	9	81·9	74·1	77·8	− 0·4	158	− 29	231	+ 17	27	− 6	2·02	50	− 52	3·5	−0·8	27	1016
2. ENGLAND, N.E.	71	24	82·2	75·9	78·9	0·0	193	− 14	122	− 34	28	− 2	2·21	56	− 21	3·4	−1·2	26	1016
3. ENGLAND, EAST ...	72	22	83·0	75·4	79·1	− 0·3	233	− 25	140	− 16	27	0	3·75	95	+ 20	4·0	−0·8	31	1015
4. MIDLAND COUNTIES ...	72	22	83·5	75·3	79·3	− 0·1	254	− 17	143	− 27	25	− 2	3·22	81	− 1	3·3	−1·0	26	1015
5. ENGLAND, S.E.	71	24	83·7	75·9	79·6	− 0·4	261	− 12	119	+ 5	24	− 3	3·40	87	+ 3	4·3	−0·8	34	1015
Western.																			
6. SCOTLAND, WEST ...	70	23	82·9	75·4	79·0	0·0	213	+ 8	145	0	20	−13	2·98	77	− 71	4·3	−0·1	34	1017
7. ENGLAND, N.W.	70	28	82·9	76·1	79·4	0·0	221	+ 4	109	− 17	22	− 7	2·32	60	− 45	4·3	−0·1	33	1016
8. ENGLAND, S.W.	70	23	83·5	76·5	80·1	+ 0·1	246	− 17	96	0	23	− 6	3·77	96	− 27	4·7	−0·1	37	1015
9. IRELAND, NORTH ...	71	23	83·4	76·1	79·6	0·0	249	+ 20	105	− 13	23	−13	2·76	70	− 52	4·9	+0·7	39	1015
10. IRELAND, SOUTH ...	73	23	84·3	76·8	80·4	0·0	289	+ 6	78	− 11	26	− 6	4·03	101	− 30	5·0	+0·3	39	1016
11. ENGLISH CHANNEL ...	66	31	84·3	78·4	81·2	− 0·2	299	− 15	19	− 8	24	− 7	2·82	72	− 29	5·7	+0·1	45	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 17 Weeks, December 30th, 1917, to April 27th, 1918.

0. SCOTLAND, NORTH ..	72	5	80·4	74·5	77·4	+ 0·2	244	+ 35	503	− 9	79	− 4	16·81	425	− 26	2·4	−0·2	23	1012
Eastern.																			
1. SCOTLAND, EAST ...	67	−3	80·4	73·7	77·0	0·0	244	− 6	587	− 1	67	− 2	7·78	196	− 33	2·5	−0·6	24	1014
2. ENGLAND, N.E.	71	9	81·0	75·2	78·1	+ 0·4	303	+ 14	384	− 77	63	− 1	6·04	152	− 14	2·6	−0·7	25	1016
3. ENGLAND, EAST ...	72	14	81·6	74·9	78·2	+ 0·3	355	+ 6	410	− 73	60	− 2	7·28	185	+ 21	3·1	−0·3	29	1017
4. MIDLAND COUNTIES ...	72	12	81·9	75·1	78·5	+ 0·6	392	+ 20	394	−112	58	− 4	7·38	187	− 1	2·5	−0·5	24	1017
5. ENGLAND, S.E.	71	15	82·0	75·6	78·7	+ 0·1	397	+ 7	353	− 21	56	− 5	8·07	205	+ 7	3·3	−0·2	30	1017
Western.																			
6. SCOTLAND, WEST ...	70	5	81·3	75·3	78·3	+ 0·3	328	+ 37	364	− 40	67	− 8	14·04	358	− 15	2·8	−0·2	26	1015
7. ENGLAND, N.W. ...	70	12	81·8	76·1	78·9	+ 0·7	382	+ 73	272	−104	60	− 6	8·67	222	− 31	2·9	−0·2	27	1015
8. ENGLAND, S.W.	70	16	82·2	76·5	79·5	+ 0·5	434	+ 27	256	− 41	59	− 8	10·89	278	− 22	3·3	−0·1	30	1017
9. IRELAND, NORTH ...	71	18	82·1	76·2	79·1	+ 0·4	427	+ 74	274	− 59	70	−10	10·34	262	− 32	3·0	0·0	28	1013
10. IRELAND, SOUTH ...	73	19	83·0	77·0	79·9	+ 0·4	531	+ 66	217	− 40	71	− 2	12·98	329	+ 6	3·1	−0·2	29	1015
11. ENGLISH CHANNEL ...	66	26	83·1	78·2	80·6	+ 0·1	541	+ 10	91	− 14	61	−12	6·71	170	− 81	4·2	+0·2	38	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 2nd, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 18.

THE EIGHTEENTH WEEK OF 1918.
SUNDAY, APRIL 28TH, TO SATURDAY, MAY 4TH, 1918.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

EXAMINED BY - - -
AUTHORITY FOR ISSUE
ISSUED ON - - -
69
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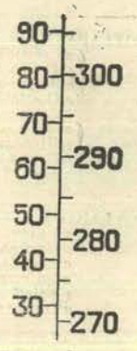
10.5.1

I.—GENERAL SUMMARY. [First published in 1878.]

The anticyclone of the past two or three weeks maintained its position over the Scandinavian region. The area of low pressure which had been situated over Continental Europe was transferred to the Bay of Biscay about the middle of the period, and the wind over these islands shifted from North-East to South-East. The change was accompanied by warmer weather and rain in most districts. The mean temperature for the week was below normal nearly everywhere, the greatest deficit being 2·3 a. in Scotland East. The absolute highest, about 295 a., occurred in Ireland, while in Scotland East 287 a. was the highest recorded; on some days in the latter District, as well as in England North-East, there was no reading above 279 a. Minima below the freezing point occurred in Scotland East and also at Newton Rigg, in Cumberland. There was frost on the grass in several other Northern and Western regions, 267 a. at Crathes and Dublin (Phœnix Park) and 269 a. at Newquay being the lowest values registered by grass-minimum thermometers. The depression of Thursday brought rain to the south of Ireland, Cornwall and the Channel Islands. It spread to most other districts by the end of the period, but was generally deficient in quantity. Thunder and lightning occurred over a large area in the south on Friday, and there was a local thunderstorm at Gordon Castle, near Elgin, on Saturday. Solar halos were observed at Aberdeen on May 3rd, at Oxford on April 30th, May 1st and 3rd, and a Sun Pillar at the latter station on May 4th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	3·2	13	3·6	2	1·2	2	2·4	9	2·1	19	4·3	12	4·2	16	4·1
North	8	3·4	12	2·4	25	4·4	18	4·2	16	3·5	6	2·8	10	2·4	2	1·2
West	1	4·0	0	—	1	1·1	3	2·5	5	2·9	2	0·4	3	4·2	3	3·0
East	26	5·2	28	4·8	21	7·1	22	4·2	22	6·9	24	4·5	21	5·4	15	4·4
Calm	1	—	0	—	1	—	1	—	1	—	1	—	3	—	9	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Very deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Very light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy
Sunshine ...	Very abundant	Moderate	Scanty	Very scanty	Scanty	Very scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 9 weeks from Mar. 3rd, 1918. Warmth ...	3, 5, 1	2, 3, 4	2, 5, 2	2, 5, 2	2, 6, 1	2, 6, 1	2, 5, 2	3, 5, 1	2, 6, 1	3, 4, 2	3, 4, 2	0, 8, 1
Rainfall ...	0, 3, 6	1, 4, 4	1, 3, 5	2, 5, 2	3, 2, 4	3, 3, 3	1, 4, 4	0, 5, 4	3, 2, 4	1, 3, 5	2, 3, 4	2, 5, 2
Sunshine ...	4, 1, 4	1, 5, 3	2, 0, 7	1, 3, 5	2, 0, 7	2, 4, 3	2, 4, 3	2, 5, 2	2, 4, 3	3, 4, 2	5, 1, 3	1, 6, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(17339—19.) Wt. 199—789. 450. 5/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
a. Islands .. a Lerwick ..	54	50	4th	35	1st	47·1	38·1	42·3	0·0	1	0·04	1	− 13
p Deerness ..	160	48	30, 4	38	1st	46·6	39·7	42·9	—	2	0·39	10	− 3
a Stornoway ..	31	57	4th	36	1st	53·3	38·4	45·4	+ 1·0	1	0·04	1	− 16
a Castlebay, Barra Isd.	37	58	28th	41	1st	52·6	44·1	48·1	—	2	0·17	4	—
b. Mainland. a Wick ..	81	46	30, 2, 4	32	1st	45·0	39·3	42·0	− 2·0	2	0·17	4	− 9
p Glencarron ..	500	55	29, 2	31	1st	52·3	36·1	43·7	− 1·1	1	0·15	4	− 27
p Fort Augustus ..	68	—	—	—	—	—	—	—	—	—	—	—	—
p Fort William ..	171	61	28th	34	30th	54·0	38·1	45·6	− 1·0	1	0·03	1	− 24
1. SCOTLAND, E.													
a Nairn ..	82	56	30, 2, 3	27	1st	52·0	32·0	41·4	− 4·2	1	0·08	2	− 8
p Gordon Castle ..	101	56	4th	26	1st	50·3	35·0	42·2	− 3·7	1	0·06	2	− 10
a Aberdeen ..	46	50	30, 4	33	1st	49·1	39·6	44·1	− 1·2	2	0·10	3	− 10
a Balmoral ..	930	58	28th	25	1st	47·6	31·4	39·0	− 3·8	3	0·61	15	+ 1
p Crieff ..	432	56	28th	32	1st	48·7	34·6	41·2	− 5·5	2	0·48	12	− 2
a Dundee ..	244	52	28, 29	33	29, 1	49·1	36·9	42·6	− 3·5	3	0·90	23	+ 11
a Leith ..	30	50	2, 3	36	1st	48·0	39·6	43·6	− 3·4	1	0·43	11	+ 1
p Edinburgh ..	441	47	30, 2, 3	33	1st	45·1	37·1	40·9	− 4·6	1	0·29	7	− 3
a West Linton ..	769	54	28th	29	1st	46·1	33·6	39·5	− 3·8	2	0·28	7	—
p Marchmont ..	498	48	30th	32	30th	45·4	35·9	40·4	− 4·7	1	0·32	8	− 6
6. a. SCOTLAND, W.													
a Ford (Argyll) ..	149	62	28th	35	1st	53·2	39·2	45·8	—	2	0·18	5	—
p Glasgow Observatory	180	55	28th	34	1st	49·9	38·9	44·1	− 3·0	2	0·41	10	− 7
p Rothesay ..	200	56	28th	34	1st	50·6	38·4	44·1	− 3·1	2	0·30	8	− 13
a Kilmarnock ..	90	60	3rd	32	1st	55·3	38·3	46·3	− 0·1	2	0·24	6	− 11
a Colmonell ..	170	65	28th	32	29, 30	57·9	37·0	46·8	+ 0·2	2	0·61	15	− 3
p Cally, Gatehouse ..	120	60	28th	34	1st	54·3	38·0	45·7	− 0·8	2	0·75	19	− 2
p Dumfries ..	160	56	28, 3	35	29, 1	52·0	37·4	44·3	− 3·1	2	0·49	13	− 4
a Eskdalemuir ..	794	52	28th	30	1st	47·9	34·4	40·8	—	1	0·28	7	—
b. I. OF MAN p Douglas ..	277	56	28th	37	29th	51·1	41·3	45·9	− 1·1	3	0·85	22	+ 5
2. ENGLAND, N.E.													
a North .. a Alnwick Castle ..	210	55	28th	37	1st	48·0	39·4	43·4	− 2·4	3	0·49	13	0
a Tynemouth ..	71	47	30th	39	3rd	45·1	39·9	42·3	− 3·4	1	0·31	8	− 3
p Durham ..	336	52	4th	35	1, 3	47·1	37·1	41·8	− 4·2	3	0·20	5	− 6
p Rounton ..	249	55	4th	35	1st	48·9	37·7	43·0	− 2·8	3	0·17	4	− 8
a West Witton ..	605	55	4th	35	1st	48·6	37·7	42·8	—	3	0·48	11	—
p Scarborough ..	100	54	28th	40	29, 4	48·6	42·3	45·3	− 1·5	1	0·24	6	− 5
p York ..	56	57	4th	37	1st	52·0	40·0	45·6	− 2·7	2	0·57	14	+ 3
b South .. a Spurn Head ..	26	54	4th	39	29, 1	48·0	41·3	44·5	− 2·6	2	0·31	8	0
a Lincoln ..	58	63	4th	38	1st	54·4	40·9	47·3	− 1·6	1	0·29	7	− 3
a Fulbeck ..	180	61	4th	37	1st	53·0	39·6	45·9	− 2·5	4	0·47	12	+ 1
3. ENGLAND, E.													
p Cromer ..	196	59	4th	39	29, 1, 2	49·7	40·1	44·6	− 3·0	3	0·08	2	− 7
a Little Massingham ..	280	59	3, 4	36	3rd	52·3	39·1	45·3	− 2·8	1	0·15	4	− 7
a Yarmouth ..	13	63	4th	42	29, 30, 2	51·3	43·0	46·9	− 0·4	0	0·00	0	− 10
a Norwich ..	93	63	4th	41	1, 3	53·3	42·7	47·7	− 0·9	2	0·10	3	− 8
a Geldeston ..	37	65	4th	36	3rd	53·0	40·4	46·3	− 1·7	2	0·03	1	− 9
p Cambridge ..	41	64	4th	38	3rd	55·3	41·3	47·9	− 1·2	2	0·45	11	+ 1
a Clacton-on-Sea ..	54	63	4th	41	30th	52·4	43·4	47·6	− 0·5	2	0·06	2	− 6
a Rothamsted ..	424	62	4th	37	1st	52·7	41·7	46·8	− 1·2	2	0·52	13	+ 2
p Tottenham ..	51	65	4th	40	1, 3	55·1	42·4	48·4	—	2	0·69	18	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate ..	479	56	4th	34	1st	49·0	37·4	42·9	− 3·3	3	0·76	19	+ 6
p Sheffield ..	429	62	4th	38	29, 1	53·0	39·6	45·9	—	2	0·76	19	—
p Buxton ..	987	— [58]	— [4]	— [34]	— [29, 1]	— [50·7]	— [36·7]	— [43·3]	—	— [2]	— [0·55]	— [14]	— [−5]
b. East .. a Bawtry ..	65	63	3rd	38	28, 29, 1	56·6	40·1	47·9	− 0·4	2	0·65	17	+ 6
a Nottingham ..	82	63	4th	37	29th	54·6	39·9	46·8	− 1·6	2	0·68	17	+ 6
p Birmingham, Edgbsn.	535	64	4th	37	29th	55·1	38·7	46·4	− 1·9	2	0·37	10	− 3
a Raunds ..	203	67	4th	35	3rd	55·3	39·0	46·7	− 2·1	1	0·46	12	− 1
p Oxford ..	208	65	4th	38	3rd	55·9	41·3	48·2	− 1·2	3	0·25	6	− 5
c. West .. a Cheadle (N. Staffs.) ..	646	61	4th	34	29th	55·4	37·6	46·0	− 1·0	2	0·44	11	− 2
p Shrewsbury ..	191	62	28th	32	29th	57·6	38·9	47·7	− 0·7	2	0·33	9	− 1
a Hereford ..	291	66	4th	35	29th	57·6	40·7	48·6	− 0·3	2	0·24	6	− 6
a Clifton ..	229	65	3rd	39	29th	59·0	41·9	49·9	− 0·6	2	0·25	6	− 10
5. ENGLAND, S.E.													
a Marlborough ..	424	63	3, 4	37	2nd	56·0	40·7	47·9	0·0	3	0·45	11	0
p Salisbury (Wilton) ..	180	66	3, 4	38	29th	58·6	41·1	49·3	− 0·1	3	0·47	12	0
a Wisley, Surrey ..	150	66	3, 4	39	30th	55·9	42·1	48·6	− 0·7	2	0·54	14	+ 5
a Tunbridge Wells ..	354	65	4th	39	29th	55·3	42·1	48·3	− 0·8	5	0·63	16	+ 5
a Margate ..	51	62	4th	43	28-30, 1	51·0	44·9	47·8	− 1·6	3	0·70	18	+ 9
a Dungeness ..	21	55	3rd	42	28th	51·7	44·0	47·6	− 1·2	4	0·43	11	+ 4
p St. Leonards ..	178	63	3rd	42	29, 1	55·0	43·9	49·1	− 0·3	4	0·52	13	+ 4
p Southampton ..	64	64	3, 4	40	29th	58·4	43·9	50·7	− 0·4	2	0·31	8	− 3
a Ventnor ..	59	58	4th	41	29th	54·4	44·1	48·9	− 1·5	5	0·36	9	− 1
LONDON. p Richmond (Kew Obs.)	18	66	4th	40	30th	54·9	42·2	48·2	− 1·8	2	0·54	14	+ 5
a Westminster ..	27	66	4th	—	—	55·9	—	—	—	1	0·36	9	0
ag Greenwich ..	149	68	4th	39	3rd	55·7	42·0	48·4	− 1·4	2	0·43	11	+ 3
a Hampstead ..	450	64	4th	37	30th	53·9	39·6	46·3	—	2	0·53	13	—
ag Camden Square ..	110	68	4th	40	30, 1, 3	57·9	42·3	49·6	− 1·9	2	0·48	12	+ 2
7. a. ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	54	3rd	33	29, 1	49·3	36·7	42·6	− 4·1	2	0·25	6	− 11
p Newton Rigg ..	559	—	—	26	29th	52·6	34·6	43·1	− 3·0	3	0·70	18	+ 1
p Stonyhurst ..	375	62	28th	35	28, 30	54·1	38·7	45·9	− 1·2	1	0·54	14	− 6
p Blackpool ..	66	61	28th	32	29th	54·7	38·0	45·9	− 1·6	2	0·83	21	+ 6
a Southport ..	37	60	28th	33	1st	55·3	38·4	46·3	− 1·6	2	0·76	19	+ 4
a Liverpool (Bidston) ..	188	60	28th	37	29th	54·6	40·6	47·2	− 1·3	1	0·55	14	+ 1
a Hawarden Bridge ..	22	61	4th	37	29th	56·7	40·9	48·3	− 0·8	1	0·69	18	+ 6
p Manchester (Whit. Pk.)	125	60	4th	37	1st	55·4	40·4	47·5	− 1·7	3	0·70	18	+ 3
b. NORTH WALES.													
p Llandudno ..	16	58	3rd	36	28, 29	54·6	40·6	47·2	− 1·5	2	0·70	18	+ 5
a Holyhead ..	[illegible]	58	2, 3	39	29th	54·6	42·4	48·1	+ 0·2	2	0·47	12	− 2
a Beddgelert ..	309	60	28th	34	29th	55·6	40·1	47·4	—	3	0·56	14	—
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine, Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	6·3	+ 0·9	40	•	•	•	•	•	•
Stornoway ..	9·3	+ 3·6	60	•	•	•	•	•	•
Castlebay ..	7·0	—	46	•	•	•	•	•	•
Fort Augustus ..	[? 5·7]	[+·6]	[37]	•	•	•	•	•	•
Nairn ..	5·9	—	38	•	•	•	•	•	•
Gordon Castle ..	6·3	—	41	•	•	•	•	•	•
Aberdeen ..	7·6	+ 2·2	50	1	30	•	•	44·8	+0·7
Balmoral ..	•	•	•	4	21	•	•	•	•
Crathes ..	6·2	+ 1·2	41	4	21	47·0	+0·7	45·1	+0·8
Dundee ..	5·3	—	35	3	26	46·7	•	•	•
Leith ..	•	•	•	0	32	•	•	•	•
Edinburgh ..	3·2	− 1·7	21	1	27	•	•	•	•
West Linton ..	4·0	—	26	4	23	•	•	•	•
Marchmont ..	3·0	− 2·0	20	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	3	29	48·9	•	45·1	•
Glasgow ..	4·7	+ 0·1	31	1	26	•	•	•	•
Rothesay ..	5·2	—	35	1	29	48·3	•	46·2	−0·1
Kilmarnock ..	6·7	—	44	•	•	47·2	•	45·2	•
Colmonell ..	•	•	•	4	27	•	•	•	•
Dumfries ..	5·9	—	39	4	28	48·2	−0·5	46·5	−0·7
Eskdalemuir ..	4·6	—	31	3	25	•	•	•	•
Douglas ..	6·8	+ 0·3	45	0	34	•	•	•	•
Cockle Park ..	2·6	− 3·0	17	1	30	45·6	−0·6	45·1	+0·1
Durham ..	2·8	− 2·4	19	2	27	•	•	•	•
Rounton ..	•	•	•	4	27	44·9	•	•	•
West Witton ..	•	•	•	3	30	45·8	•	42·5	•
Scarborough† ..	2·1	− 3·8	14	•	•	•	•	45·0	•
York ..	3·8	− 1·4	25	•	•	47·6	−0·4	45·6	−0·6
Spurn Head ..	3·7	—	25	•	•	•	•	•	•
Lincoln ..	•	•	•	0	32	48·8	0·0	46·0	−0·4
Rauceby ..	3·3	− 2·9	22	•	•	48·9	−2·4	45·7	−1·9
Skegness ..	2·8	− 3·7	19	•	•	•	•	•	•
Cromer ..	2·6	− 3·8	17	•	•	•	•	•	•
Lit. Massingham	3·1	− 3·2	21	•	•	•	•	•	•
Yarmouth ..	4·3	—	29	0	42	48·9	−3·1	47·3	−2·6
Norwich ..	3·0	—	20	0	35	48·3	•	•	•
Geldeston ..	4·4	− 2·3	30	•	•	•	•	•	•
Cambridge ..	3·0	− 3·3	20	0	31	48·4	−2·2	46·6	−2·0
Clacton ..	2·5	− 4·7	17	0	39	48·2	−1·9	47·8	−1·4
Rothamsted ..	1·9	− 4·2	13	0	32	45·6	•	•	•
Tottenham ..	2·0	—	14	0	38	•	•	46·7	−2·3
Harrogate ..	4·0	− 1·6	27	0	32	45·3	−0·9	45·3	−0·2
Sheffield ..	3·4	− 1·8	23	0	35	45·8	−1·5	44·8	0·0
Buxton ..	[5·3]	—	[36]	[7]	[30]	— [46·[illegible]]	— [−1·4]	— [43·2]	— [−1·4]
Worksop ..	4·1	− 1·1	28	1	29	49·5	•	46·8	•
Nottingham ..	3·0	− 2·6	20	0	36	46·8	−2·1	44·6	−1·4
Birmingham ..	4·1	− 0·5	28	0	33	44·8	−1·6	44·5	−1·0
Raunds ..	3·2	—	22	1	30	47·1	•	45·7	•
Oxford ..	3·3	− 2·7	22	0	32	•	•	•	•
Cheadle ..	•	•	•	1	30	•	•	•	•
Shrewsbury ..	•	•	•	3	27	•	•	•	•
Malvern ..	4·6	—	31	0	33	48·1	•	46·2	•
Clifton ..	5·0	—	34	0	38	•	•	•	•
Worthing ..	3·2	− 4·0	22	0	40	49·8	−2·2	47·6	−1·7
Marlborough ..	2·2	− 3·5	15	0	32	49·4	•	46·9	•
Salisbury ..	•	•	•	0	36	51·4	•	•	•
Wisley ..	2·2	− 4·0	15	0	32	47·9	−2·3	45·8	−2·3
Tunbridge Wells	2·3	− 4·3	16	0	35	48·7	−1·0	46·7	•
Margate ..	1·9	− 4·5	13	0	40	48·7	−1·1	47·9	−0·1
Folkestone ..	2·9	—	20	•	•	•	•	45·9	•
St. Leonards ..	3·2	− 4·0	22	0	40	49·4	•	46·8	•
Southampton ..	4·1	− 2·6	28	0	38	•	•	•	•
Ventnor ..	3·5	− 3·5	24	•	•	•	•	•	•
Richmond ..	2·3	− 3·9	16	0	37	47·8	−2·4	46·2	−2·0
Westminster ..	1·8	− 3·5	12	0	38	•	•	•	•
Greenwich ..	1·8	− 3·7	12	0	32	•	•	•	•
Hampstead ..	2·5	—	17	0	32	•	•	•	•
Camden Square	1·8	− 3·6	12	0	33	•	•	•	•
Aspatria ..	6·0	+ 0·5	40	2	29	46·6	−2·7	45·2	−1·4
Newton Rigg ..	6·4	+ 0·8	43	4	20	48·3	+0·7	44·8	−0·2
Stonyhurst ..	6·6	+ 1·1	44	3	27	•	•	•	•
Blackpool ..	6·6	+ 0·2	44	4	21	46·6	•	45·6	•
Southport ..	7·0	+ 0·7	47	3	26	49·1	−1·6	47·7	−1·0
Hoylake ..	6·7	+ 0·8	45	•	•	•	•	•	•
Liverpool ..	6·4	—	43	0	32	•	•	•	•
Manchester (City)	5·8	+ 1·1	39	0	35	47·3	−0·4	46·5	−0·5
Whitworth Park	6·8	+ 2·4	46	•	•	•	•	•	•
Llandudno ..	7·5	+ 1·2	50	•	•	•	•	•	•
Holyhead ..	7·2	—	48	0	31	•	•	•	•
Aberdovey ..	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 ft

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.	in.	mm.	mm.			hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	63	28th	40	28–30	58·4	41·7	49·6	—	2	0·64	16	—	Aberystwyth ..	7·6	+ 1·8	52	•	•	•	•	•	•
a Rhayader	767	58	3, 4	33	29th	54·6	38·0	45·8	—	2	0·27	7	—	Rhayader ..	6·7	—	46	3	25	•	•	•	•
a St. Ann's Head	149	62	28th	39	30th	54·1	42·7	48·1	+ 0·3	3	0·37	10	- 3	Pembroke ..	6·0	- 0·3	41	•	•	•	•	•	•
p Cardiff	202	61	3, 4	37	29th	58·1	40·9	49·0	+ 0·2	2	0·15	4	- 13	Cardiff	6·0	—	41	0	31	50·1	-0·3	47·3	-0·7
b ENGLAND, S.W.																							
a Bath	66	68	3rd	38	29th	60·3	41·0	50·1	+ 0·7	3	0·20	5	- 8	Bath	•	•	•	•	•	51·8	+1·3	48·8	+0·2
a Shaftesbury	722	61	3, 4	36	29th	55·3	39·3	46·8	- 1·1	3	0·24	6	- 9	Shaftesbury ..	•	•	•	•	•	49·2	•	47·3	•
a Arlington	613	61	3rd	38	29th	57·0	41·1	48·6	+ 1·0	2	0·11	3	- 17										
a Hartland Quay ..	100	58	29, 2, 3	43	30, 1	55·9	45·6	50·4	—	3	0·32	8	—										
a Newquay	190	56	3rd	39	30th	54·1	43·7	48·6	- 0·6	4	0·58	15	+ 3	Newquay ..	5·2	- 1·2	36	3	24	52·5	•	49·7	•
a Cullompton	202	66	4th	39	28th	58·9	42·4	50·2	+ 0·8	4	0·20	5	- 10	Cullompton ..	4·1	- 1·7	28	0	34	51·6	•	•	•
a Portland Bill	19	58	29th	40	29th	52·4	43·7	47·8	- 1·1	3	0·20	5	- 6	Weymouth ..	4·3	—	29	•	•	•	•	•	•
p Plymouth	116	62	28th	44	1, 2	55·4	45·7	50·3	+ 0·2	3	0·19	5	- 9	Plymouth ..	3·8	- 2·5	26	0	35	51·8	-0·4	49·5	•
a Falmouth	167	64	28th	43	29, 30	54·9	44·6	49·4	0·0	4	0·77	20	+ 4	Falmouth ..	4·2	- 2·5	29	0	36	54·1	•	52·3	•
9. IRELAND, N.																							
West .. { *a* Malin Head	208	55	28, 30, 3	38	30, 1	52·4	41·1	46·4	- 0·5	2	0·24	6	- 8	Malin Head ..	5·8	—	38	•	•	•	•	•	•
a Blacksod Point ..	327	67	28th	39	30th	57·7	43·1	50·0	+ 1·7	3	0·37	9	- 12	Markree Castle	5·1	- 0·1	34	1	29	51·5	+0·6	47·9	0·0
p Markree Castle ..	122	69	28th	35	29th	58·1	40·3	48·7	+ 1·3	2	0·42	11	- 9										
b, East .. { *p* Armagh	196	62	28th	35	30th	53·1	40·1	46·2	- 1·5	3	0·45	12	- 5	Armagh	5·7	+ 0·6	38	3	27	49·4	-0·3	47·4	-0·2
a Donaghadee	101	53	28, 30	38	29th	50·4	40·3	45·1	- 2·3	4	1·21	31	+ 15										
10. IRELAND, S.																							
p Dublin, City	47	59	4th	43	29, 30	54·0	44·7	49·1	+ 0·2	2	0·82	21	+ 7	Trinity Coll. ..	•	•	•	2	32	50·7	+2·6	48·6	+2·1
a Birr Castle	175	69	28th	33	30th	58·3	40·3	48·8	+ 1·5	3	0·59	15	0	Phœnix Park ..	6·2	- 0·5	42	3	22	•	•	•	•
a Kilkenny	212	67	28th	38	29, 30	56·9	41·4	48·7	+ 0·9	4	1·10	28	+ 13	Dublin City ..	•	•	•	0	37	•	•	•	•
a Waterford	20	69	28th	39	29th	58·1	42·0	49·6	+ 1·0	5	1·44	37	+ 21	Birr Castle ..	7·2	+ 1·2	48	1	30	•	•	•	•
p Seskin, Carrick-on-Suir	541	68	28th	37	30th	56·6	41·4	48·5	—	5	1·88	48	—	Seskin	7·0	—	48	3	25	•	•	•	•
a Cahir	199	70	28th	34	2nd	57·7	39·7	48·2	+ 0·3	3	1·35	34	—										
a Foynes	50	69	28th	36	30th	59·7	41·7	50·2	+ 1·5	3	0·52	13	- 3										
a Cahirciveen (Val. Obs.)	30	62	28th	40	29, 30	58·6	44·9	51·3	+ 2·3	2	0·63	16	- 7	Cahirciveen ..	8·3	+ 1·7	56	0	37	•	•	•	•
a Killarney	174	72	28th	38	30th	63·1	43·6	52·8	+ 4·1	3	0·68	17	- 4	Ballinacurra ..	5·0	-7·8	34	•	•	•	•	•	•
a Roche's Point	32	63	28th	39	30th	54·1	44·6	49·1	+ 0·5	4	1·46	37	+ 20										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	59	29, 30, 3	43	30th	54·3	46·6	50·3	+ 0·2	5	0·72	18	+ 6	Scilly	5·3	- 1·5	36	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	65	3rd	43	28th	55·4	45·0	49·9	- 1·4	5	0·63	16	+ 3	St. Heliers ..	2·2	- 5·0	15	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	63	3rd	43	29th	54·6	45·6	49·8	- 1·5	6	0·66	17	+ 5	Guernsey† ..	2·7	- 4·7	19	0	36	51·4	-1·2	49·9	-0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 4th, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	29	1	79	80	8	0	45	11	29	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	7	135	7	19	67	6	4	12	12	4	23	5
Aberdeen	153	105	52	—	—	—	—	68	95	5	0	90	9	4	17	13	4	14	25
Edinburgh	485	39	31	—	—	—	—	100	68	0	0	79	9	30	14	14	30	16	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	30	3	128	34	3	0	79	12	30	11	18	30	10	25
Paisley	188	81	52	—	—	—	—	25	125	10	8	90	8	30	12	18	30	13	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	27	123	18	0	113	6	30	18	12	28	4	35
South Shields	72	61	12	—	—	—	—	88	72	8	0	113	10	30	18	14	30	17	10
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	30, 1	29	114	21	4	0	56	15	30	16	—	—	—	—
Gorleston	52	42	‡	—	—	28 to 30, 1	30	111	20	7	0	67	13	30	17	18	30	16	35
Shoeburyness	103	90	‡	—	—	30, 3	20	116	27	5	0	56	16	30	16	20	30	9	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	103	46	19	0	90	11	3	19	16	3	22	10
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	120	44	1	3	—	8	30	14	16	28	18	0
Brighton	261	53	6	—	—	30	4	101	60	3	0	—	12	30	7	18	3	13	20
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	29, 30	8	88	41	13	18	45	12	30	15	17	3	14	0
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	71	82	15	0	79	9	3	16	15	28	9	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	22	102	44	0	113	8	3	11	14	30	13	40
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	93	72	3	0	90	10	3	12	—	—	—	—
Southport	80	62	48	—	—	30, 3	14	100	54	0	0	79	12	30	15	19	3	14	45
Holyhead	60	40	‡	—	—	29, 30, 3	33	73	60	2	0	79	15	30	17	19	30	10	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	1 to 3	28	29	33	75	3	90	14	2	20	18	3	2	35
Plymouth	185	88	2	—	—	—	—	30	81	57	0	—	10	3	9	16	3	5	55
Lyme Regis	556	61	‡	—	—	28 to 30	8	92	28	40	0	—	12	29	8	17	29	8	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	30, 1, 2	13	60	76	19	0	90	14	30	21	—	—	—	—
Quilty	100	40	‡	—	—	1 to 3	33	81	25	29	0	—	15	2	19	20	2	19	20
Cahirciveen (Val. Obs.)	98	41	‡	—	—	2	9	54	64	41	0	101	14	2	19	24	2	20	35
Weaver Pt.	160	30	‡	—	—	2, 3	5	45	40	76	2	—	12	2	24	17	2	23	55
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	2	1	37	79	51	0	135	11	2	20	16	2	19	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·6 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1918—April 28th to May 4th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	31	83·2	76·3	79·6	− 0·6	29	− 6	11	+ 1	1	− 4	0·09	2	− 16	7·8	+2·8	51	1027
Eastern.																			
1. SCOTLAND, EAST ...	58	25	82·1	74·8	78·2	− 2·3	18	− 23	25	+ 14	2	− 2	0·30	8	− 5	5·2	+0·1	34	1026
2. ENGLAND, N.E.	63	35	82·7	77·3	79·8	− 1·4	25	− 16	6	+ 1	2	− 2	0·34	9	− 2	2·9	−3·0	19	1024
3. ENGLAND, EAST ...	65	36	84·6	78·3	81·2	− 0·9	35	− 17	1	− 4	2	− 2	0·23	6	− 4	3·0	−3·4	20	1020
4. MIDLAND COUNTIES ...	67	32	86·1	77·2	81·4	− 0·5	46	− 6	7	0	2	− 1	0·44	11	− 1	3·8	−1·8	26	1021
5. ENGLAND, S.E.	66	37	85·8	79·1	82·2	− 0·5	46	− 9	0	− 2	3	0	0·50	13	+ 3	2·8	−3·8	19	1019
Western.																			
6. SCOTLAND, WEST ...	65	32	84·7	76·7	80·4	− 0·9	38	− 5	10	+ 5	2	− 2	0·48	12	− 8	5·8	+0·2	38	1025
7. ENGLAND, N.W.	62	26	85·3	77·0	80·9	− 0·8	41	− 3	8	+ 5	2	− 2	0·60	15	− 1	6·7	+1·0	45	1021
8. ENGLAND, S.W.	68	33	86·4	78·5	82·2	− 0·1	46	− 4	0	− 2	3	− 1	0·27	7	− 9	5·4	−0·6	37	1019
9. IRELAND, NORTH ...	69	33	85·8	77·9	81·6	− 0·1	43	− 1	3	0	3	− 2	0·55	14	− 4	5·4	+0·3	36	1020
10. IRELAND, SOUTH ...	72	33	87·3	78·8	82·9	+ 0·4	55	+ 3	0	− 1	3	− 1	0·95	24	+ 6	7·2 6·7	+0·7	49	1018
11. ENGLISH CHANNEL ...	65	43	85·7	80·6	83·0	− 0·4	56	− 5	0	0	5	+ 1	0·67	17	+ 4	3·4	−3·8	24	1017

THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, March 3rd to May 4th, 1918.

0. SCOTLAND, NORTH ...	72	20	81·9	75·3	78·5	+ 0·2	179	− 6	176	− 26	28	−14	3·56	89	−105	4·2	+0·2	32	1017
Eastern.																			
1. SCOTLAND, EAST ...	67	9	81·9	74·2	77·9	− 0·5	176	− 52	256	+ 31	29	− 8	2·32	58	− 57	3·7	−0·7	28	1017
2. ENGLAND, N.E.	71	24	82·3	76·0	79·0	− 0·2	218	− 30	128	− 33	30	− 4	2·55	65	− 23	3·3	−1·5	25	1017
3. ENGLAND, EAST ...	72	22	83·2	75·7	79·3	− 0·4	268	− 42	141	− 20	29	− 2	3·98	101	+ 16	3·9	−1·1	30	1016
4. MIDLAND COUNTIES ...	72	22	83·8	75·5	79·5	− 0·2	300	− 23	150	− 27	27	− 3	3·66	92	− 2	3·4	−1·1	26	1016
5. ENGLAND, S.E.	71	24	83·9	76·3	79·9	− 0·4	307	− 21	119	+ 3	27	− 3	3·90	100	+ 6	4·1	−0·9	32	1015
Western.																			
6. SCOTLAND, WEST ...	70	23	83·1	75·5	79·2	− 0·1	251	+ 3	155	+ 5	22	−15	3·46	89	− 79	4·5	0·0	34	1017
7. ENGLAND, N.W.	70	26	83·2	76·2	79·6	0·0	262	+ 1	117	− 12	24	− 9	2·92	75	− 46	4·5	−0·1	35	1016
8. ENGLAND, S.W.	70	23	83·8	76·7	80·3	0·0	292	− 21	96	− 2	26	− 7	4·04	103	− 36	4·8	−0·1	37	1016
9. IRELAND, NORTH ...	71	23	83·7	76·3	79·9	+ 0·1	292	+ 19	108	− 13	26	−15	3·31	84	− 56	5·0	+0·7	38	1016
10. IRELAND, SOUTH ...	73	23	84·6	77·0	80·7	+ 0·1	344	+ 9	78	− 12	29	− 7	4·98	125	− 24	5·2	+0·3	40	1016
11. ENGLISH CHANNEL ...	66	31	84·5	78·6	81·4	− 0·2	355	− 20	19	− 8	29	− 6	3·49	89	− 25	5·4	−0·4	42	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 18 Weeks, December 30th, 1917, to May 4th, 1918.

0. SCOTLAND, NORTH ...	72	5	80·5	74·6	77·5	+ 0·2	273	+ 29	514	− 8	80	− 8	16·90	427	− 42	2·7	0·0	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	67	−3	80·5	73·8	77·1	− 0·1	262	− 29	612	+ 13	69	− 4	8·08	204	− 38	2·7	−0·5	25	1014
2. ENGLAND, N.E.	71	9	81·1	75·3	78·2	+ 0·3	328	− 2	390	− 76	65	− 3	6·38	161	− 16	2·7	−0·8	24	1016
3. ENGLAND, EAST ...	72	14	81·7	75·1	78·3	+ 0·2	390	− 11	411	− 77	62	− 4	7·51	191	+ 17	3·1	−0·5	29	1017
4. MIDLAND COUNTIES ...	72	12	82·1	75·2	78·6	+ 0·5	438	+ 14	401	−112	60	− 5	7·82	198	− 2	2·6	−0·6	24	1017
5. ENGLAND, S.E.	71	15	82·3	75·8	78·9	+ 0·1	443	− 2	353	− 23	59	− 5	8·57	218	+ 10	3·2	−0·6	30	1017
Western.																			
6. SCOTLAND, WEST ...	70	5	81·5	75·4	78·4	+ 0·2	366	+ 32	374	− 35	69	−10	14·52	370	− 23	2·9	−0·2	27	1015
7. ENGLAND, N.W.	70	12	82·0	76·1	79·0	+ 0·6	423	+ 70	280	− 99	62	− 8	9·27	237	− 32	3·1	−0·1	28	1016
8. ENGLAND, S.W.	70	16	82·4	76·6	79·6	+ 0·5	480	+ 23	256	− 43	62	− 9	11·16	285	− 31	3·4	−0·2	31	1017
9. IRELAND, NORTH ...	71	18	82·4	76·3	79·3	+ 0·5	470	+ 73	277	− 59	73	−12	10·89	276	− 36	3·1	0·0	29	1014
10. IRELAND, SOUTH ...	73	19	83·2	77·1	80·1	+ 0·5	586	+ 69	217	− 41	74	− 3	13·93	353	+ 12	3·4	−0·1	31	1015
11. ENGLISH CHANNEL ...	66	26	83·2	78·3	80·7	0·0	597	+ 5	91	− 14	66	−11	7·38	187	− 77	4·1	−0·1	37	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: May 9th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
H.S.
17.5.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 19.

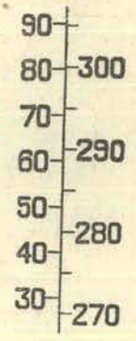
THE NINETEENTH WEEK OF 1918.
SUNDAY, MAY 5TH, TO SATURDAY, MAY 11TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was highest over the Iceland region or over Scandinavia throughout the week and low over the British Islands and France. The winds over the United Kingdom were for the most part Easterly or North-Easterly and light to fresh in force. The mean temperature for the period did not differ materially from the normal; in Scotland East and England North-East it was about 1 a. below, but over the Kingdom on a whole it was about 1 a. above it. The warmest day was either the 9th or 10th, when 294 a. was reached in some parts of southern England and 295 a. at Waterford and Kilmarnock. Very low maxima occurred on the north-east coast of England on Sunday and Monday; at Tynemouth on the former day the thermometer did not exceed 280 a. The night temperatures were higher than of late, readings as low as 272 a. in the screen being confined to the east of Scotland and north-east of England; grass minima of 269 a. occurred over the central parts of Scotland and England, and of 270 a. or 271 a. over a larger area. Rain fell on three or four days in most districts; it was in excess of the normal in the east and south, below it in the north and west; on the 5th or 6th there were measurements of 12mm. to 25mm. at most stations in the north-east of Great Britain. Bright sunshine was in excess of the normal in England North-West, below it elsewhere, the smallest deficit being 0·2 hr. per day in England South-West and the largest 2 hr. per day in Scotland North and East. Fog was prevalent on several days at Balmoral and in the north and east of England as well as in the English Channel. Thunderstorms occurred at Foynes (Limerick) on the 5th and at Gordon Castle on the 11th.

Solar halos were observed at Oxford on the 5th and at Aberdeen on the 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	2·8	3	3·3	5	2·2 3·5	3	2·4	7	2·6	13	1·3	4	2·1	7	2·6
North	6	1·5	25	1·6	21	3·8	19	3·0	14	2·7	11	4·5	13	1·9	15	3·0
West	1	1·3	5	3·2	3	0·8	5	1·5	11	1·8	10	3·2	13	2·8	16	3·6
East	27	6·0	22	3·6	14/5	3·8	10	1·2	10	3·4	13	1·5	7	1·7	6	3·0
Calm	0	—	0	—	1	—	6	—	7	—	4	—	7	—	5	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Unusual	Moderate
Rainfall ...	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Light	Moderate
Sunshine ...	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 10 weeks from Mar. 3rd, 1918. Warmth ...	3, 6, 1	2, 3, 5	2, 6, 2	2, 6, 2	2, 7, 1	2, 7, 1	3, 5, 2	3, 6, 1	3, 6, 1	3, 5, 2	4, 4, 2	0, 9, 1
Rainfall ...	0, 4, 6	2, 4, 4	2, 3, 5	2, 6, 2	3, 3, 4	4, 3, 3	1, 5, 4	0, 6, 4	3, 3, 4	1, 4, 5	2, 3, 5	2, 6, 2
Sunshine ...	4, 1, 5	1, 5, 4	2, 0, 8	1, 4, 5	2, 1, 7	2, 5, 3	2, 5, 3	2, 6, 2	2, 5, 3	3, 4, 3	5, 1, 4	1, 6, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{2}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(17430—19.) Wt. 199—789. 450. 5/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	53	6th	40	5th	49·4	41·9	45·4	+ 1·9	2	0·28	7	- 6										
p Deerness	160	51	9th	43	5,10	49·4	43·9	46·5	—	3	0·47	12	0	Deerness	4·0	- 1·5	25	•	•	•	•	•	•
a Stornoway	51	59	9th	42	7, 9, 10	53·9	43·6	48·4	+ 2·8	6	1·00	25	+ 9	Stornoway	3·7	- 2·2	23	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	58	7th	46	5th	53·7	47·7	50·5	—	3+	0·47+	12!	—	Castlebay	3·9	—	25	•	•	•	•	•	•
b, Mainland. a Wick	81	50	11th	42	10th	47·7	43·4	45·4	+ 0·2	3	0·33	9	- 4	Fort Augustus..	?2·5	- 1·7	16	•	•	•	•	•	•
p Glencarron	500	62	9th	40	9th	55·9	42·0	48·5	+ 2·5	4	0·37	9	- 19										
p Fort Augustus..	68	60	6th	35	5th	54·4	41·1	47·4	+ 0·7	4	0·81	21	+ 6										
p Fort William	171	67	9th	41	10th	60·9	45·4	52·7	+ 4·7	5	0·56	14	- 9										
1. SCOTLAND, E.																							
a Nairn	82	59	5th	38	10th	54·7	41·9	47·9	+ 0·7	5	0·64	16	+ 5	Nairn	2·9	—	18	•	•	•	•	•	•
p Gordon Castle	101	64	10th	34	10th	56·7	41·4	48·6	+ 1·1	3	0·80	20	+ 8	Gordon Castle..	3·9	—	25	•	•	•	•	•	•
a Aberdeen	46	53	9, 10	34	10th	49·4	41·4	45·2	- 1·6	5	1·39	35	+ 21	Aberdeen	3·1	- 2·8	19	0	32	•	•	45·9	+1·0
a Balmoral	930	60	9th	30	10th	52·7	37·4	44·6	+ 0·1	4	0·80	20	+ 6	Balmoral	•	•	•	2	25	•	•	•	•
p Crieff	432	63	9th	35	10th	53·6	38·7	45·7	- 2·7	5	0·76	19	+ 5	Crathes ..	3·4	- 2·0	22	1	28	47·4	- 0·4	45·4	+0·2
a Dundee	244	57	8th	35	10th	52·3	40·1	45·8	- 2·0	4	1·47	37	+ 25	Dundee ..	3·1	—	20	1	29	46·7	•	•	•
a Leith	30	56	11th	41	9th	51·1	43·1	46·9	- 1·6	5	1·47	37	+ 26	Leith ..	•	•	•	0	40	•	•	•	•
p Edinburgh	441	54	10th	40	9, 10	49·7	42·0	45·6	- 1·4	4	1·27	32	+ 22	Edinburgh	3·3	- 2·2	21	0	35	•	•	•	•
a West Linton	769	60	9th	30	9th	52·4	39·3	45·5	+ 0·5	4	0·69	18	—	West Linton	3·6	—	23	1	24	•	•	•	•
p Marchmont	498	59	9th	34	9th	52·0	38·9	45·1	- 1·6	3	1·50	38	+ 24	Marchmont	4·3	- 1·3	28	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	63	7, 9	40	10th	60·3	44·6	52·0	—	3	0·63	16	—	Ford (Argyll) ..	•	•	•	1	30	50·0	•	46·2	•
p Glasgow Observatory	180	65	9th	42	10th	56·4	43·7	49·7	+ 0·8	4	0·70	18	+ 4	Glasgow..	3·4	- 1·5	22	0	38	•	•	•	•
p Rothesay	200	63	9th	43	5-8, 11	56·3	43·3	49·4	+ 0·5	5	0·57	15	- 2	Rothesay	5·4	—	35	0	40	49·0	•	46·6	- 0·5
a Kilmarnock	90	71	10th	40	10th	61·9	44·3	52·6	+ 4·3	5	0·32	8	- 6	Kilmarnock	5·0	—	32	•	•	49·6	•	46·3	•
a Colmonell	170	65	10th	40	5, 10	60·0	43·9	51·5	+ 3·1	5	0·63	16	+ 2	Colmonell	•	•	•	0	33	•	•	•	•
p Cally, Gatehouse	120	66	10th	40	9th	61·6	43·1	51·8	+ 3·5	3	0·48	12	- 5	Dumfries	5·1	—	33	1	28	50·2	- 0·1	47·7	- 0·5
p Dumfries	160	65	9th	38	10th	60·9	41·9	50·8	+ 1·5	2	0·50	13	- 1	Eskdalemuir	4·4	—	28	2	27	•	•	•	•
a Eskdalemuir	794	62	9, 10	32	9th	56·3	37·4	46·3	—	3	0·63	16	—										
b, I. OF MAN p Douglas	277	62	9th	42	5th	58·1	44·9	51·1	+ 2·4	4	0·22	6	- 8	Douglas ..	6·8	0·0	44	0	36	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle	210	56	9th	32	9th	52·3	38·9	45·2	- 2·1	3	1·14	29	+ 16										
a Tynemouth	71	51	11th	36	5, 9	47·6	38·7	42·9	- 4·3	3	0·95	24	+ 13	Cockle Park	4·6	- 1·2	29	2	28	46·8	- 1·3	45·3	- 0·7
p Durham	336	60	9th	30	9th	56·6	37·1	46·3	- 1·2	2	0·67	17	+ 6	Durham	4·8	- 0·5	31	4	27	•	•	•	•
p Rounton	249	62	6th	34	11th	55·7	38·6	46·6	- 0·7	2	0·41	10	- 1	Rounton	•	•	•	2	26	47·1	•	•	•
a West Witton	605	61	9th	33	10th	57·3	38·1	47·1	—	3	0·80	20	—	West Witton	•3	4·8	•4	4	28	46·9	•	43·3	•
p Scarborough	100	56	11th	42	10th	53·7	45·4	49·3	+ 1·0	4	0·83	21	+ 10	Scarborough†	5·6	- 1·1	32	•	•	•	•	45·0	•
p York	56	66	9th	35	5th	61·4	39·9	50·0	0·0	2	0·62	16	+ 5	York	4·3	- 1·1	28	•	•	49·1	- 0·6	46·5	- 0·7
b, South .. a Spurn Head	26	52	8, 9	40	11th	50·6	42·7	46·4	- 2·3	2	0·71	18	+ 10	Spurn Head	6·1	—	40	•	•	•	•	•	•
a Lincoln	58	65	9th	37	11th	60·2	42 6	50·9	+ 0·3	2	0·35	9	- 1	Lincoln ..	•	•	•	0	34	50·9	+0·3	47·3	- 0·1
a Fulbeck	180	66	9th	34	11th	60·4	40 1	49·6	- 0·5	3	0·59	15	+ 4	Rauceby	5·5	- 0·9	36	•	•	51·7	- 1·0	47·0	- 1·5
														Skegness	5·7	- 1·0	37	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	57	11th	39	7th	53·1	41·4	46·9	- 2·2	3	0·40	10	+ 1	Cromer	6·1	- 0·3	40	•	•	•	•	•	•
a Little Massingham	280	65	11th	38	9, 11	57·7	40·7	48·7	- 1·0	2	0·46	12	+ 1	Lit. Massingham	6·3	0·0	41	•	•	•	•	•	•
a Yarmouth	13	58	9th	42	8, 9	53·9	43·1	48 2	- 0·6	2	0·33	9	- 1	Yarmouth	6·1	—	40	0	?43	51·1	- 2·6	48·3	- 2·7
a Norwich	93	66	11th	42	9, 11	60·6	43·6	51·6	+ 1·3	2	0·30	8	- 3	Norwich	7·3	—	48	0	37	52·1	•	•	•
a Geldeston	37	63	9, 11	38	9th	59·4	41·4	49·9	+ 0·3	2	0·22	6	- 4	Geldeston	7·0	+ 0·2	46	•	•	•	•	•	•
p Cambridge	41	66	6, 8	39	11th	61·7	43·1	51·8	+ 1·0	3	0·28	7	- 3	Cambridge	5·7	- 0·6	38	0	34	51·7	- 0·9	48·0	- 1·8
a Clacton-on-Sea	54	65	9th	41	9th	57·3	44·7	50·6	+ 0·9	3	0·54	14	+ 6	Clacton ..	6·2	- 1·1	41	0	36	51·4	- 0·4	48·8	- 1·4
a Rothamsted	424	63	6, 9	38	11th	58·7	42·4	50·1	+ 0·3	4	0·43	11	0	Rothamsted	5·4	- 0·8	36	1	30	49·2	•	•	•
p Tottenham	51	66	8, 9	39	11th	61·9	45·0	52·9	—	4	0·41	10	—	Tottenham	5·9	—	39	0	38	•	•	48·4	- 1·8
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	62	9th	35	11th	56·9	38·4	47·1	- 0·6	3	0·48	12	+ 2	Harrogate	5·1	- 0·6	33	1	30	47·2	- 0·5	46·2	- 0·3
p Sheffield	429	62	9, 11	38	10, 11	59·3	41·6	49·9	—	2	0·42	11	—	Sheffield..	3·8	- 1·6	24	2	28	48·0	- 1·0	44 7	- 1·0
p Buxton	987	63	4	32	11	58·7	37·0	47·2	—	3	0·38	7	—	Buxton ..	6·1	—	40	0	32	48·1	- 0·3	44·2	- 1·2
b, East .. a Bawtry	65	66	9th	31	11th	61·6	38·7	49·5	- 0·3	2	0·41	10	+ 2	Worksop	4·4	- 0·9	29	3	28	51·4	•	48 2	•
a Nottingham	82	65	6, 9	32	11th	60·7	40·3	49·9	- 0·1	2	0 20	5	- 4	Nottingham	4·7	- 1·1	31	1	30	50·0	- 0·8	46·1a	- 1·1
p Birmingham, Edgbsn.	535	67	9th	40	11th	61·7	43·4	52·0	+ 2·0	3	0·46	12	+ 2	Birmingham	5·9	+ 1·1	38	2	24	47·6	- 0·1	45·3	- 0·8
a Raunds	203	66	6, 9, 11	35	9, 11	61·7	40·4	50·4	- 0·1	2	0·46	12	+ 1	Raunds ..	6·1	—	40	2	24	49·2	•	46·6	•
p Oxford	208	67	8th	38	11th	61·6	43·4	52·0	+ 1·0	3	0·52	13	+ 4	Oxford ..	6·6	+ 0·4	44	1	30	•	•	•	•
c, West .. a Cheadle (N. Staffs.)	646	68	11th	37	11th	62·6	42·0	51·7	+ 3·1	1	0·16	4	- 6	Cheadle ..	•	•	•	0	36	•	•	•	•
p Shrewsbury	191	68	11th	36	9th	64·7	41·3	52·3	+ 2·4	3	0·41	11	+ 3	Shrewsbury	•4	•	•2	0	31	•	•	•	•
a Hereford	291	66	9th	38	9th	62·7	42·1	51·8	+ 1·3	2	0·96	24	+ 14	Malvern	6·8	—	46	?	?	51·5	•	48·0	•
a Clifton	229	69	9th	44	9, 11	63·6	45·9	54·2	+ 2·0	2	0·88	22	+ 10	Clifton ..	6·9	—	46	0	42	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	66	9th	34	11th	61·0	39·4	49·6	- 0·1	3	0·72	18	+ 8	Worthing	4·5	- 2·8	30	0	38	53·0	- 0·8	48·9	- 1·5
p Salisbury (Wilton)	180	68	9th	39	11th	63·3	43·1	52·6	+ 1·3	3	0·93	24	+ 14	Marlborough	?6·7	+ 0·9	45	1	30	52·6	•	48·1	•
a Wisley, Surrey	150	67	11th	39	11th	62·1	44 0	52·5	+ 1·4	3	0·57	15	+ 7	Salisbury	•	•	•	0	37	54·7	•	•	•
a Tunbridge Wells	354	67	8, 9	42	9, 11	62·0	44·8	52·8	+ 2·0	3	0·37	9	- 1	Wisley	7·0	+ 0·6	47	2	27	52·0	- 0·3	47·4	- 1·9
a Margate	51	63	9th	42	10th	56·1	45·0	50·2	- 1·0	4	0·40	10	+ 2	Tunbridge Wells	6·0	- 0·7	40	0	35	51·9	- 0·3	48·1	•
														Margate	5·4	- 1·1	36	0	35	51·8	+0·3	49·2	+0·1
a Dungeness	21	60	8, 10	41	5, 10	56·6	44·0	49·9	- 0·7	4	0·80	20	+ 14	Folkestone	5·0	—	33	•	•	•	•	46·9	•
p St. Leonards	178	64	8th	43	11th	56·9	46 6	51·4	+ 0 2	4	0·50	13	+ 5	St. Leonards	6·2	- 1·2	41	0	36	53·0	•	48 1	•
p Southampton	64	69	9th	44	11th	63·0	47·3	54·7	+ 1·8	3	0·57	15	+ 5	Southampton	7·8	+ 1·0	52	0	33	•	•	•	•
a Ventnor	59	68	8th	45	11th	58·7	47·7	52·9	+ 0·8	3	0·70	18	+ 9	Ventnor	5·3	- 1·7	35	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	66	9, 11	41	10, 11	60·6	45·2	52·4	+ 0·5	4	0·61	15	+ 6	Richmond	6·4	+ 0·1	43	0	32	52·3	+0·1	47·3	- 1·8
a Westminster	27	68	8, 9	—	—	62·7	—	—	—	4	0·50	13	+ 5	Westminster	6·0	+ 0·6	40	0	39	•	•	•	•
ag Greenwich	149	69	6th	40	11th	62·7	44 4	53·0	+ 1·6	4	0·58	15	+ 6	Greenwich	5·5	- 0·2	37	1	29	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	—	—	—	—
ag Camden Square	110	70	9th	39	9th	63 1	44·6	53·3	- 0·1	4	0·48	12	+ 3	Camden Square	5·3	- 0·2	35	0	34	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	9th	37	10th	58·1	41·3	49·2	+ 0·9	3	0·26	7	- 6	Aspatria	5·9	0·0	38	0	34	48·9	- 1·5	46·1	- 1·2
p Newton Rigg	559	67	9th	36	10th	60·4	38·7	48·9	+ 1·1	3	0·61	15	+ 2	Newton Rigg	6·0	- 0·1	39	2	25	50·0	+0·7	46·0	0·0
p Stonyhurst	375	64	9th	39	8·0	61·1	42·7	51·8	+ 2·4	2	0·26	7	- 8	Stonyhurst	6·8	+ 1·0	44	3	29	•	•	•	•
p Blackpool	66	62	5th	37	5th	59·4	42·0	50·2	+ 1·1	3	0·32	8	+ 4	Blackpool	7·1	+ 0 2	46	4	26	49·0	•	46·2	•
a Southport	37	63	10th	36	5th	59·6	42·3	50·4	+ 0·8	3	0·41	11	0	Southport	7·5	+ 0·8	49	2	29	52 1	- 0·4	48·9	- 1·1
														Hoylake	7·0	+ 0·9	46	•	•	•	•	•	•
a Liverpool (Bidston)	188	62	10th	41	5th	57·7	44·9	50·9	+ 0·7	3	0·43	11	+ 1	Liverpool	7·1	—	46	0	36	•	•	•	•
a Hawarden Bridge	22	63	6th	41	9, 11	59·7	44·7	51·8	+ 1·1	2	0·36	9	- 1	Manchester(City)	4·2	- 0·8	27	0	38	49·9	+0·3	47·9	0·0
p Manchester (Whit. Pk.)	125	65	6th	39	9, 11	62·1	43·1	52·0	+ 1·1	3	0·57	14	+ 3	Whitworth Park	4·8	- 0·1	31	•	•	•	•	•	•
b, NORTH WALES.															7 3		6	8					
p Llandudno	16	60	9th	39	9th	57·7	43·7	50·3	0·0	2	0·32	8	- 2	Llandudno	6·9	+ 0 2	45	•	•	•	•	•	•
a Holyhead	18	61	10th	41	7, 9	56·6	44·0	49·9	+ 0·6	4	0·55	14	+ 4	Holyhead	6·9	—	45	3	28	•	•	•	•
a Beddgelert	309	67	10th	35	9th	61·9	41·0	50·8	—	3	0·63	16	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																							
a Aberystwyth	59	60	10th	41	7, 9	56·1	44·3	49·9	—	3	0·89	23	—	Aberystwyth ..	6·9	+ 0·5	46	•	•	•	•	•	•
a Rhayader	757	64	9, 10	33	9th	61·9	38·9	49·7	—	5	1·07	27	—	Rhayader ..	5·8	—	38	4	26	•	•	•	•
a St. Ann's Head	149	60	5th	43	9th	56·9	44·9	50·5	+ 1·2	1	0·04	1	- 9	Pembroke ..	7·8	+ 0·8	52	•	•	•	•	•	•
p Cardiff	202	66	11th	42	9th	62·1	45·4	53·3	+ 2·7	2	0·60	15	+ 2	Cardiff	6·3	—	42	0	35	52·8	+0·4	48·5	-0·5
b. ENGLAND, S.W.																							
a Bath	66	67	9, 11	40	11th	63·7	44·0	53·3	+ 2·1	2	0·81	21	+ 11	Bath	•	•	•	•	•	54·1	+1·4	50·3	+0·5
a Shaftesbury	722	65	9th	40	6th	60·6	43·4	51·5	+ 1·8	2	0·52	13	+ 2	Shaftesbury ..	•	•	•	•	•	52·7	•	48·7	•
a Arlington	613	67	10th	36	9th	61·1	43·4	51·7	+ 2·4	2	0·14	4	- 11										
a Hartland Quay ..	100	64	10th	45	10th	56·9	47·4	51·9	—	2	0·40	10	—										
a Newquay	190	63	11th	40	5th	57·0	44·3	50·3	- 0·4	0	0·00	0	- 9	Newquay ..	6·7	- 0·5	45	1	29	54·2	•	50·5	•
a Cullompton	202	69	9th	38	7th	64·7	42·9	53·2	+ 2·0	3	0·38	10	- 1	Cullompton ..	5·4	- 1·0	36	0	33	53·6	•	•	•
a Portland Bill	19	59	8th	43	8th	55·4	46·9	50·9	+ 0·4	2	0·67	17	+ 9	Weymouth ..	5·7	—	38	•	•	•	•	•	•
p Plymouth	116	64	9th	44	6, 7	59·4	46·3	52·5	+ 0·7	1	0·13	3	- 8	Plymouth ..	5·2	- 1·8	35	0	38	53·3	-0·7	50·2	•
a Falmouth	167	65	6th	43	5th	60·3	45·4	52·4	+ 1·4	0	0·00	0	- 12	Falmouth ..	7·0	- 0·5	47	0	32	55·2	•	52·7	•
9. IRELAND, N.																							
West .. *a* Malin Head	208	58	7, 10	42	5th	53·7	44·9	49·0	+ 0·6	5	0·55	14	+ 4	Malin Head ..	4·8	—	31	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	60	5th	45	5, 11	54·3	46·6	50·2	+ 0·5	4	0·41	10	- 5	Markree Castle	3·6	- 2·3	23	1	29	53·3	+1·1	48·9	+0·2
West .. *p* Markree Castle ..	122	67	9th	33	5th	60·0	43·7	51·4	+ 2·5	5	0·30	8	- 6										
b. East .. *p* Armagh	196	67	10th	34	5th	59·4	41·6	50·0	+ 0·7	4	0·28	7	- 6	Armagh	4·8	- 1·0	31	2	30	50·6	-0·7	48·0	-0·5
East .. *a* Donaghadee	101	59	9, 10	42	5th	55·0	44·6	49·5	+ 0·6	4	0·59	15	+ 3										
10. IRELAND, S.																							
p Dublin, City	47	61	9, 10	43	5th	58·0	45·1	51·2	0·0	2	0·47	12	+ 1	Trinity Coll. ..	•	•	•	0	32	52·0	+0·5	49·6	+0·2
a Birr Castle	175	69	10th	39	5th	59·7	45·3	52·1	+ 2·5	2	0·39	10	- 2	Phœnix Park ..	6·8	+ 0·7	44	2	27	•	•	•	•
a Kilkenny	212	70	10th	36	9th	61·6	44·6	52·6	+ 2·4	3	0·34	9	- 3	Dublin City ..	•	•	•	0	39	•	•	•	•
a Waterford	20	71	10th	38	7, 10	62·3	43·2	52·2	+ 1·3	2	0·05	1	- 11	Birr Castle ..	4·1	- 1·4	27	1	30	•	•	•	•
p Seskin, Carrick-on-Suir	541	69	10th	42	5th	60·9	44·3	52·1	—	2	0·06	2	—	Seskin	6·1	—	40	1	30	•	•	•	•
a Cahir	199	70	10th	38	5th	62·4	43·7	52·5	+ 2·4	1	0·05	1	—										
a Foynes	50	67	10th	42	5th	59·4	47·0	52·8	+ 1·9	4	0·87	22	+ 10										
a Cahirciveen (Val. Obs.)	30	63	5th	40	6th	57·4	47·3	52·1	+ 1·1	4	0·22	6	- 11	Cahirciveen ..	3·8	- 2·3	25	0	36	•	•	•	•
a Killarney	174	69	10th	44	6th	61·7	47·4	54·1	+ 3·3	4	0·21	5	- 11	Ballinacurra ..	[illegible]	[illegible]	[illegible]	•	•	•	•	•	•
a Roche's Point	32	64	10th	37	5th	58·7	45·3	51·6	+ 1·0	1	0·02	0·4	- 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	11th	44	5th	59·1	47·0	52·7	+ 1·4	0	0·01	0·3	- 7	Scilly	10·6	+ 3·0	71	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	65	10th	46	6, 11	56·7	47·4	51·8	- 1·0	3	0·55	14	+ 7	St. Heliers ..	4·0	- 4·1	27	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	62	10th	45	6, 11	56·6	46·3	51·1	- 1·7	2	0·85	22	+ 15	Guernsey† ..	5·5	- 2·8	37	0	40	53·3	-0·9	50·9	-0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 11th, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed	Mid Time		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Dee mess (Cup Anr.)** ..	188	16	5	—	—	4, 5	10	103	55	0	0	90	13	5	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	1	104	63	0	90	6	5	1	13	5	0	20
Aberdeen	153	105	52	—	—	—	—	11	113	44	0	124	7	5	1	10	5	0	30
Edinburgh	485	39	31	—	—	—	—	29	139	0	0	56	9	6	2	14	6	1	40
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	5, 6	8	32	100	28	0	34	12	5	17	17	5	16	5
Paisley	188	81	52	—	—	—	—	13	103	52	0	79	7	6	4	16	6	4	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	73	95	0	90	5	6	1	10	6	1	25
South Shields	72	61	12	—	—	—	—	7	91	70	0	101	8	6	1	10	6	1	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	7	4	35	123	6	0	45	12	7	18	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	114	44	10	0	45	11	7	22	13	7	21	55
Shoeburyness	103	90	‡	—	—	—	—	41	119	8	0	34	8	7	15	13	7	7	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	11	102	55	0	45	7	5	10	13	5	10	55
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	37	131	0	0	—	7	7	8	15	7	10	40
Brighton	261	53	6	—	—	—	—	23	120	25	0	—	8	8	3	12	7	21	40
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	47	81	26	14	360	9	7	8	15	7	8	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	117	51	0	360	5	7	8	9	7	15	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	24	144	0	90	4	5	18	9	5	18	30
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	30	110	28	0	315	9	8	16	—	—	—	—
Southport	80	62	48	—	—	—	—	42	125	1	0	281	9	11	22	12	11	23	20
Holyhead	60	40	‡	—	—	—	—	48	81	39	0	70	10	5	11	12	5	8	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	4	68	80	16	337	7	7	16	11	7	15	55
Plymouth	185	88	2	—	—	—	—	9	90	69	0	—	7	7	15	13	7	15	0
Lyme Regis	556	61	‡	—	—	7, 8	5	27	27	85	24	—	13	7	16	18	7	16	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	21	97	50	0	270	9	11	24	—	—	—	—
Quilty	100	40	‡‡‡	—	—	—	—	69	61	38	0	—	10	11	22	16	5	18	0
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	—	—	56	85	27	0	337	9	10	15	12	10	15	50
Weaver Pt.	160	30	‡‡‡	—	—	—	—	16	71	81	0	—	8	11	9	12	11	12	40
11. ENGLISH CHANNEL																			
Scilly ..	150	32	‡	—	—	—	—	28	25	115	0	328	9	8	5	12	8	5	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINETEENTH WEEK of 1918—May 5th to May 11th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	35	85·1	79·1	81·9	+ 0·8	42	0	0	− 7	4	0	0·56	14	− 3	3·4	−1·8	21	1015
Eastern.																			
1. SCOTLAND, EAST ...	64	30	84·6	77·6	80·8	− 0·6	36	− 11	5	− 2	4	0	1·01	25	+ 12	3·4	−2·3	21	1014
2. ENGLAND, N.E.	66	30	86·0	77·7	81·6	− 0·5	45	− 4	4	+ 1	3	0	0·70	18	+ 7	5·0	−1·0	32	1012
3. ENGLAND, EAST ...	66	38	87·6	79·0	83·1	+ 0·2	57	− 3	0	− 3	3	0	0·37	10	0	6·1	−0·4	40	1009
4. MIDLAND COUNTIES ...	69	31	89·6	78·3	83·6	+ 0·8	65	+ 2	1	− 4	2	− 1	0·49	12	+ 2	5·3	−0·5	35	1010
5. ENGLAND, S.E.	69	34	88·6	80·1	84·1	+ 0·5	69	+ 3	0	− 2	3	0	0·62	16	+ 7	6·0	−0·7	40	1009
Western.																			
6. SCOTLAND, WEST ...	71	38	88·2	79·5	83·6	+ 1·3	64	+ 10	0	− 3	4	0	0·51	13	− 3	5·1	−0·7	33	1013
7. ENGLAND, N.W.	67	36	88·1	79·0	83·3	+ 0·7	60	+ 5	0	− 2	3	− 1	0·41	10	− 2	6·7	+0·6	43	1011
8. ENGLAND, S.W.	69	33	88·9	79·8	84·1	+ 0·8	69	+ 16	0	− 1	2	− 1	0·44	11	− 1	6·4	−0·2	43	1011
9. IRELAND, NORTH ...	69	33	86·9	79·9	83·2	+ 0·6	59	+ 5	0	− 2	4	0	0·42	11	− 2	4·2	−1·7	27	1011
10. IRELAND, SOUTH ...	71	36	88·6	80·4	84·3	+ 1·0	73	+ 11	0	− 1	3	− 1	0·29	7	− 6	~~4·9~~ 5·1	~~−1·1~~ 0·9	~~32~~ 41	1012
11. ENGLISH CHANNEL ...	65	44	87·2	81·3	84·0	− 0·1	69	− 1	0	0	2	− 1	0·47	12	+ 4	6·7	−1·4	45	1011

THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, March 3rd to May 11th, 1918.

0. SCOTLAND, NORTH ...	72	20	82·2	75·7	78·8	+ 0·2	221	− 6	176	− 33	32	−14	4·12	103	−108	4·2	+0·1	31	1017
Eastern.																			
1. SCOTLAND, EAST ...	67	9	82·2	74·5	78·2	− 0·5	212	− 63	261	+ 29	33	− 8	3·33	83	− 45	3·7	−0·8	27	1017
2. ENGLAND, N.E.	71	24	82·6	76·2	79·3	− 0·2	263	− 34	132	− 32	33	− 4	3·25	83	− 16	3·5	−1·4	26	1017
3. ENGLAND, EAST ...	72	22	83·6	76·0	79·7	− 0·3	325	− 45	141	− 23	32	− 2	4·35	111	+ 16	4·1	−1·0	31	1015
4. MIDLAND COUNTIES ...	72	22	84·3	75·8	79·9	− 0·1	365	− 21	151	− 31	29	− 4	4·15	104	0	3·6	−1·0	27	1015
5. ENGLAND, S.E.	71	24	84·4	76·7	80·3	− 0·3	376	− 18	119	+ 1	30	− 3	4·52	116	+ 13	4·3	−0·9	33	1015
Western.																			
6. SCOTLAND, WEST ...	71	23	83·6	75·9	79·6	0·0	315	+ 13	155	+ 2	26	−15	3·97	102	− 82	4·6	−0·1	34	1017
7. ENGLAND, N.W.	70	26	83·7	76·5	79·9	0·0	322	+ 6	117	− 14	27	−10	3·33	85	− 48	4·7	0·0	36	1016
8. ENGLAND, S.W.	70	23	84·3	77·0	80·7	+ 0·1	361	− 5	96	− 3	28	− 8	4·48	114	− 37	5·0	−0·1	38	1015
9. IRELAND, NORTH ...	71	23	84·0	76·7	80·2	+ 0·1	351	+ 24	108	− 15	30	−15	3·73	95	− 58	4·9	+0·4	37	1015
10. IRELAND, SOUTH ...	73	23	85·0	77·4	81·1	+ 0·2	417	+ 20	78	− 13	32	− 8	5·27	132	− 30	5·2	+0·2	39	1016
11. ENGLISH CHANNEL ...	66	31	84·7	78·9	81·7	− 0·2	424	− 21	19	− 8	31	− 7	3·96	101	− 21	5·5	−0·5	43	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 19 Weeks, December 30th, 1917, to May 11th, 1918.

0. SCOTLAND, NORTH ...	72	5	80·8	74·8	77·8	+ 0·3	315	+ 29	514	− 15	84	− 8	17·46	441	− 45	2·7	−0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	67	−3	80·7	74·0	77·3	− 0·1	298	− 40	617	+ 11	73	− 4	9·09	229	− 26	2·7	−0·6	25	1014
2. ENGLAND, N.E.	71	9	81·4	75·5	78·4	+ 0·3	373	− 6	394	− 75	68	− 3	7·08	179	− 9	2·8	−0·8	25	1016
3. ENGLAND, EAST ...	72	14	82·0	75·3	78·6	+ 0·2	447	− 14	411	− 80	65	− 4	7·88	201	+ 17	3·3	−0·4	30	1017
4. MIDLAND COUNTIES ...	72	12	82·5	75·3	78·9	+ 0·5	503	+ 16	402	−116	62	− 6	8·31	210	0	2·7	−0·6	25	1016
5. ENGLAND, S.E.	71	15	82·6	76·0	79·2	+ 0·1	512	+ 1	353	− 25	62	− 5	9·19	234	+ 17	3·4	−0·4	30	1017
Western.																			
6. SCOTLAND, WEST ...	71	5	81·9	75·6	78·7	+ 0·3	430	+ 42	374	− 38	73	−10	15·03	383	− 26	3·0	−0·2	28	1015
7. ENGLAND, N.W.	70	12	82·3	76·3	79·3	+ 0·7	483	+ 75	280	−101	65	− 9	9·68	247	− 34	3·3	−0·1	30	1015
8. ENGLAND, S.W.	70	16	82·7	76·8	79·8	+ 0·4	549	+ 39	256	− 44	64	−10	11·60	296	− 32	3·6	−0·1	32	1016
9. IRELAND, NORTH ...	71	18	82·6	76·5	79·5	+ 0·5	529	+ 78	277	− 61	77	−12	11 31	287	− 38	3·2	0·0	29	1014
10. IRELAND, SOUTH ...	73	19	83·5	77·2	80·3	+ 0·5	659	+ 80	217	− 42	77	− 4	14·22	360	+ 6	3·4	−0·2	31	1015
11. ENGLISH CHANNEL ...	66	26	83·4	78·5	80·9	0·0	666	+ 4	91	− 14	68	−12	7·85	199	− 73	4·3	−0·1	38	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 16th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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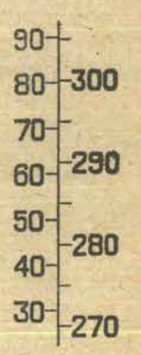
FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 20.

THE TWENTIETH WEEK OF 1918.
SUNDAY, MAY 12TH, TO SATURDAY, MAY 18TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week barometric pressure was low over or to the westward of the British Isles, and high over the Continent, the prevailing winds were, therefore, mostly South-Westerly. Towards the close of the period the barometer rose and a high pressure system spread up from the Bay of Biscay. The first two days were mostly dull, rainy and cool, but the weather gradually became fairer and warmer until Friday, when thunderstorms occurred in all parts of Great Britain except the south-west of England. The rainfall at Fulbeck (Lincolnshire) on that day was as much as 74mm. (nearly 3 inches), but at the neighbouring station, Rauceby, it was only 30mm. Large hailstones accompanied this storm, causing much damage in gardens. In the Metropolitan district also the measurements varied greatly. At Tottenham it was 22mm., but at other places only 2mm. or 3mm. Maximum temperatures of 297a. and upwards occurred in all parts of England, the highest individual readings being 299a. to 300a. in the area between York, London and Norwich. Ground frost (readings between 270a. and 272a.) occurred over the south of England and at Ford (Argyll). The lowest screen thermometer reading was 274a. at Ford, Kilmarnock and Newton Rigg. The bright sunshine daily mean was above the normal over the eastern, midland, and south-eastern counties of England, below it elsewhere, the greatest divergence being minus 2 hr. per day in Ireland and Scotland North. A display of aurora was witnessed at Clacton-on-Sea and Rothesay on the 16th; at the latter station it is described as "Grand." There was a solar halo at Oxford on the 16th, and at Aberdeen on the 14th a similar phenomenon accompanied by a parhelion.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	21	4·0	18	4·2	20	2·7	14	2·9	22	4·5	17	3·5	21	4·3	21	5·2
North	3	1·2	6	2·6	4	3·4	3	2·0	2	4·2	8	5·0	1	4·0	6	1·6
West	3	3·8	21	3·5	13	1·5	17	1·9	22	3·1	21	2·8	11	4·5	11	3·6
East	19	2·4	4	2·4	10	1·4	2	1·2	0	—	0	—	5	1·4	13	1·1
Calm	3	—	0	—	3	—	8	—	3	—	2	—	2	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Light	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 11 weeks from Mar. 3rd, 1918.	Warmth ...	4, 6, 1	3, 3, 5	3, 6, 2	3, 6, 2	3, 7, 1	3, 7, 1	3, 6, 2	4, 6, 1	4, 6, 1	4, 5, 2	5, 4, 2	1, 9, 1
	Rainfall ...	0, 5, 6	2, 4, 5	3, 3, 5	2, 7, 2	3, 4, 4	4, 4, 3	1, 6, 4	0, 7, 4	3, 4, 4	1, 5, 5	2, 4, 5	3, 6, 2
	Sunshine ...	4, 1, 6	1, 6, 4	2, 1, 8	1, 5, 5	2, 2, 7	2, 6, 3	2, 6, 3	2, 7, 2	2, 6, 3	3, 4, 4	5, 1, 5	1, 7, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour

(17500—19.) Wt. 199—789. 450. 5/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations Reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air (In Degrees Fahrenheit): Highest.	Date.	Lowest.	Date.	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall: No. of Rain-Days.	Rainfall in the Week		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands .. a Lerwick ..	54	56	17th	42	12th	51·3	44·9	47·9	+ 3·7	3	0·32	8	− 4
p Deerness	160	60	18th	42	12th	53·1	45·0	48·8	—	4	0·43	11	− 1
a Stornoway	31	59	17th	42	12–14	55·4	45·3	50·1	+ 3·7	6	0·67	17	+ 2
a Castlebay, Barra Isd.	37	56	17th	45	12th	53·3	47·7	50·3	—	3	0·28	7	—
b, Mainland. a Wick	81	60	18th	42	13th	54·0	45·4	49·4	+ 3·4	5	0·65	17	+ 5
p Glencarron	500	66	17th	40	14th	56·9	44·0	50·1	+ 3·3	5	0·64	16	− 10
p Fort Augustus	68	70	17th	40	13th	58·7	44·0	50·9	+ 3·3	1	0·51	13	− 1
p Fort William	171	69	17th	38	14th	60·7	44·6	52·3	+ 3·3	4	1·46	37	+ 15
1. SCOTLAND, E.													
a Nairn	82	69	18th	38	13th	62·3	44·4	52·8	+ 4·7	2	0·08	2	− 9
p Gordon Castle	101	72	17th	40	13th	60·9	45·9	53·0	+ 4·7	3	0·30	8	− 5
a Aberdeen	46	65	18th	40	14th	58·4	44·7	51·1	+ 3·5	3	0·06	1	− 13
a Balmoral	930	68	17th	36	14th	57·1	42·0	49·1	+ 3·6	3	0·15	4	− 10
p Crieff	432	68	17th	38	13th	58·1	43·3	50·3	+ 1·0	6	0·74	19	+ 4
a Dundee	244	69	18th	40	13th	59·9	45·9	52·5	+ 3·8	3	0·21	5	− 8
a Leith	30	73	17th	43	12, 13	61·3	47·0	53·7	+ 4·3	3	0·28	7	− 4
p Edinburgh	441	71	17th	41	12th	59·3	47·3	52·9	+ 5·0	3	0·33	8	− 3
a West Linton	769	70	17th	37	12, 13	58·1	42·4	49·8	+ 3·9	3	0·17	4	—
p Marchmont	498	75	17th	36	12th	60·9	42·1	50·9	+ 3·3	2	0·19	5	− 10
6. a. SCOTLAND, W.													
a Ford (Argyll)	149	68	17th	33	14th	58·8	41·2	49·5	—	5	1·57	40	—
p Glasgow Observatory	180	71	17th	40	12, 14	60·0	45·9	52·5	+ 2·4	5	0·65	17	+ 2
p Rothesay	200	66	17th	39	12th	55·9	43·9	49·5	− 0·6	5	0·91	23	+ 6
a Kilmarnock	90	73	17th	33	12th	61·9	44·3	52·6	+ 3·1	5	0·56	14	0
a Colmonell	170	67	17th	37	14th	59·3	46·0	52·3	+ 2·7	5	0·33	8	− 7
p Cally, Gatehouse	120	65	17th	34	12th	58·6	43·1	50·4	+ 0·9	5	0·31	8	− 10
p Dumfries	160	70	17th	38	12th	59·4	45·9	52·3	+ 1·8	5	0·43	11	− 4
a Eskdalemuir	794	69	17th	34	12th	57·9	42·3	49·6	—	5	0·71	18	—
b. I. OF MAN p Douglas	277	62	17th	41	12, 14	56·4	45·4	50·6	+ 0·7	4	0·14	4	− 10
2. ENGLAND, N.E.													
a North .. a Alnwick Castle	210	71	18th	40	12th	62·1	46·1	53·6	+ 5·3	3	0·34	9	− 4
a Tynemouth	71	67	18th	42	12, 13	59·1	46·7	52·5	+ 4·4	2	0·09	2	− 9
p Durham	336	75	17th	40	12th	62·9	46·0	53·9	+ 5·3	2	0·11	3	− 8
p Rounton	249	76	17th	42	12, 13	65·9	47·1	55·9	+ 7·6	5	0·47	12	0
a West Witton	605	75	17th	41	12th	64·4	47·6	55·5	—	3	0·34	9	—
p Scarborough	100	68	17th	47	12th	63·4	52·6	57·7	+ 8·5	2	0·38	10	− 1
p York	56	79	17th	42	13th	65·3	49·6	57·0	+ 6·0	3	0·70	18	+ 7
b, South .. a Spurn Head	26	63	15, 18	41	12th	57·6	47·1	52·0	+ 2·3	3	0·21	6	− 3
a Lincoln	58	79	17th	43	12, 13	65·9	49·1	57·0	+ 5·3	3	0·33	8	− 3
a Fulbeck	180	79	17th	41	13th	65·3	48·0	56·1	+ 4·9	2	~~3·01~~ 20	~~77~~ 51	+ ~~66~~ 70
3. ENGLAND, E.													
p Cromer	196	72	17th	40	13th	63·4	47·1	54·8	+ 4·3	2	0·24	6	− 3
a Little Massingham	280	79	17th	41	13th	65·6	46·1	55·3	+ 4·2	3	0·55	14	+ 2
a Yarmouth	13	69	18th	43	12, 13	59·9	47·6	53·4	+ 3·2	2	0·34	9	− 1
a Norwich	93	81	17th	41	13th	67·9	47·4	57·0	+ 5·2	1	0·13	3	− 8
a Geldeston	37	77	17th	39	14th	67·1	44·7	55·2	+ 4·3	2	0·52	13	+ 3
p Cambridge	41	78	17th	40	14th	67·6	45·9	56·1	+ 3·9	2	0·46	12	+ 2
a Clacton-on-Sea	54	73	18th	44	12th	60·6	49·0	54·5	+ 3·4	2	0·60	15	+ 7
a Rothamsted	424	76	17th	39	14th	65·0	46·4	55·1	+ 3·9	3	0·25	6	− 5
p Tottenham	51	77	17th	44	14th	66·9	48·7	57·3	—	3	1·16	29	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	76	17th	41	12th	63·4	47·1	54·8	+ 5·7	4	0·48	12	− 1
p Sheffield	429	78	17th	46	12–13	64·4	48·6	56·6	—	3	0·33	6	—
p Buxton	987	73	17th	41	12, 13	60·3	45·9	52·7	—	4	0·51	13	− 6
b, East .. a Bawtry	65	79	17th	41	12th	65·9	47·4	56·1	+ 4·8	3	0·15	4	− 7
a Nottingham	82	80	17th	39	12th	66·3	47·6	56·4	+ 4·9	3	0·20	5	− 7
p Birmingham, Edgbsn.	535	72	16th	42	12th	63·6	47·9	55·3	+ 3·8	3	0·56	14	+ 1
a Raunds	203	80	17th	39	14th	68·1	45·4	56·1	+ 4·1	3	0·30	8	− 6
p Oxford	208	79	17th	44	13th	66·9	47·7	56·7	+ 4·2	2	0·34	9	− 3
c, West .. a Cheadle (N. Staffs.)	646	75	17th	42	12, 13	64·1	46·6	54·8	+ 4·7	3	0·88	22	+ 8
p Shrewsbury	191	78	17th	43	13th	65·3	47·3	55·8	+ 4·4	5	0·23	6	− 4
a Hereford	291	76	17th	37	12th	66·0	46·1	55·5	+ 3·5	2	0·12	3	− 10
a Clifton	229	75	17th	46	13th	65·9	49·6	57·3	+ 3·5	2	0·47	12	− 4
5. ENGLAND, S.E.													
a Marlborough	424	76	17th	40	12th	65·1	44·9	54·4	+ 3·6	4	0·40	10	− 2
p Salisbury (Wilton)	180	79	17th	39	12, 14	66·9	44·7	55·1	+ 2·6	2	0·51	13	0
a Wisley, Surrey	150	79	17th	40	14th	67·6	46·4	56·4	+ 4·2	3	0·37	9	0
a Tunbridge Wells	354	79	17th	40	14th	67·7	47·0	56·7	+ 4·8	2	0·16	4	− 8
a Margate	51	72	17th	43	12th	64·6	49·3	56·5	+ 4·2	2	0·33	8	− 2
a Dungeness	21	72	18th	44	12, 14	61·6	48·0	54·4	+ 2·7	1	0·20	5	− 3
p St. Leonards	178	74	18th	43	12th	64·1	50·3	56·8	+ 4·5	2	0·24	6	− 4
p Southampton	64	77	17th	42	14th	66·3	48·9	57·1	+ 3·1	3	0·63	16	+ 4
a Ventnor	59	73	18th	44	12th	63·1	49·9	56·1	+ 2·9	3	0·40	10	0
LONDON. p Richmond (Kew Obs.)	18	78	17th	43	12, 14	67·8	47·9	57·3	+ 5·4	3	0·39	10	− 1
a Westminster	27	79	17th	—	—	68·5	—	—	—	3	0·47	12	+ 2
ag Greenwich	149	79	17th	43	14th	69·7	47·9	58·2	+ 5·3	3	0·45	11	+ 1
a Hampstead	450	75	17th	42	14th	65·9	47·9	56·4	—	3	0·38	10	—
ag Camden Square	110	82	17th	42	14th	70·9	49·0	59·3	+ 5·9	3	0·39	10	− 1
7. a. ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	70	17th	39	12th	59·3	47·3	52·9	+ 3·2	3	0·10	3	− 11
p Newton Rigg	559	73	17th	33	12th	60·7	45·1	52·4	+ 3·2	3	0·07	2	− 11
p Stonyhurst	375	75	17th	43	12th	61·9	48·9	55·0	+ 4·7	3	0·28	7	− 9
p Blackpool	66	74	17th	45	12, 13	61·4	48·9	54·8	+ 4·3	3	0·15	4	− 8
a Southport	37	77	17th	44	12th	61·9	48·6	54·9	+ 3·9	3	0·51	13	+ 1
a Liverpool (Bidston)	188	76	17th	43	12th	62·0	47·4	54·3	+ 2·7	4	0·28	7	− 4
a Hawarden Bridge	22	75	17th	44	12th	63·7	48·0	55·9	+ 3·8	3	0·70	18	+ 8
p Manchester (Whit. Pk.)	125	77	17th	44	12th	64·6	49·4	56·5	+ 4·1	3	0·30	8	− 4
b. NORTH WALES.													
p Llandudno	16	67	17th	45	12, 13	60·0	49·6	54·5	+ 2·9	2	0·50	13	+ 2
a Holyhead	15	62	16, 17	42	12th	57·7	47·3	52·2	+ 1·5	3	0·47	12	+ 1
a Beddgelert	309	66	17th	41	12th	59·1	46·0	52·2	—	4	0·67	17	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations Reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine (Hours per Day): Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature: Grass Min.: Ground Frosts	Lowest Reading.	Earth 1 ft.: Mean.	Deviation from Average.	Earth 4 ft.: Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	4·4	− 1·7	26	*	*	*	*	*	*
Stornoway	3·6	− 3·0	22	*	*	*	*	*	*
Castlebay	5·6	—	34	*	*	*	*	*	*
Fort Augustus	3·5	− 1·1	21	*	*	*	*	*	*
Nairn	5·7	—	35	*	*	*	*	*	*
Gordon Castle	3·7	—	23	*	*	*	*	*	*
Aberdeen	4·7	− 1·5	29	0	37	*	*	46·6	+0·7
Balmoral	*	*	*	0	34	*	*	*	*
Crathes	4·2	− 1·5	26	1	30	50·0	+0·4	46·8	+0·5
Dundee	5·3	—	33	0	32	50·3	*	*	*
Leith	*	*	*	0	39	*	*	*	*
Edinburgh	5·5	− 0·2	34	0	37	*	*	*	*
West Linton	4·6	—	29	1	30	*	*	*	*
Marchmont	5·4	− 0·3	34	*	*	*	*	*	*
Ford (Argyll)	*	*	*	3	26	51·3	*	47·1	*
Glasgow	4·9	− 0·6	31	2	29	*	*	*	*
Rothesay	4·0	—	25	0	32	51·0	*	47·9	−1·4
Kilmarnock	4·5	—	28	*	*	50·9	*	47·5	*
Colmonell	*	*	*	0	34	*	*	*	*
Dumfries	4·8	—	30	0	33	51·9	−0·9	49·2	−0·4
Eskdalemuir	5·0	—	31	1	20	*	*	*	*
Douglas	6·0	− 1·6	38	0	36	*	*	*	*
Cockle Park	5·2	− 0·7	33	0	32	50·5	+0·3	46·8	−0·5
Durham	6·3	+ 0·9	40	0	34	*	*	*	*
Rounton	*	*	*	0	36	50·8	*	*	*
West Witton	*	*	*	0	35	50·3	*	44·3	*
Scarborough†	6·1	− 0·1	38	*	*	*	*	45·0	*
York	4·8	− 0·7	30	*	*	51·7	+0·2	47·8	−0·5
Spurn Head	6·7	—	43	*	*	*	*	*	*
Lincoln	*	*	*	0	38	53·5	+0·7	48·5	−0·1
Rauceby	6·6	0·0	42	*	*	55·2	+0·3	48·4	−1·1
Skegness	7·4	+ 0·6	47	*	*	*	*	*	*
Cromer	7·2	+ 0·6	46	*	*	*	*	*	*
Lit. Massingham	7·1	+ 0·6	46	*	*	*	*	*	*
Yarmouth	8·5	—	54	0	42	52·6	−3·1	49·4	−2·8
Norwich	8·2	—	53	0	35	55·4	*	*	*
Geldeston	7·7	+ 0·7	49	*	*	*	*	*	*
Cambridge	6·0	− 0·5	39	0	35	53·5	−1·2	49·7	−1·4
Clacton	8·4	+ 0·9	55	0	40	54·3	+0·6	50·6	−0·9
Rothamsted	6·3	− 0·1	41	0	35	51·8	*	*	*
Tottenham	6·3	—	41	0	41	*	*	50·1	−1·4
Harrogate	5·2	− 0·7	33	0	35	50·1	+0·6	47·8	0·0
Sheffield	5·6	0·0	36	0	—	50·8	0·0	46·0	−0·8
Buxton	6·0	—	38	0	39	50·9	+0·5	45·5	−0·8
Worksop	5·1	− 0·4	32	0	34	53·7	*	49·7	*
Nottingham	6·2	+ 0·2	40	0	37	55·0	+2·0	48·1	−0·5
Birmingham	6·5	+ 1·5	43	0	33	49·9	+0·7	46·3	−0·5
Raunds	6·3	—	41	2	28	52·6	*	47·7	*
Oxford	7·1	+ 0·7	46	0	35	*	*	*	*
Cheadle	*	*	*	0	38	*	*	*	*
Shrewsbury	*	*	*	0	37	*	*	*	*
Malvern	7·6	—	49	*	*	54·3	*	49·8	*
Clifton	8·6	—	56	0	44	*	*	*	*
Worthing	8·6	+ 0·9	56	0	38	55·9	0·0	50·5	−1·2
Marlborough	7·1	+ 1·0	46	0	36	54·0	*	49·3	*
Salisbury	*	*	*	0	37	57·0	*	*	*
Wisley	7·0	+ 0·2	45	1	29	54·2	−0·2	49·1	−1·6
Tunbridge Wells	8·0	+ 1·0	52	1	29	54·4	−0·8	49·9	*
Margate	8·8	+ 2·0	57	0	40	54·8	+1·3	50·8	+0·4
Folkestone	8·7	—	57	*	*	*	*	47·8	*
St. Leonards	9·1	+ 1·4	59	0	38	56·4	*	50·0	*
Southampton	8·1	+ 1·0	53	1	30	*	*	*	*
Ventnor	8·7	+ 1·3	57	*	*	*	*	*	*
Richmond	6·6	0·0	43	0	34	51·7	+0·5	49·3	−0·9
Westminster	5·8	+ 0·1	38	0	41	*	*	*	*
Greenwich	7·4	+ 1·4	48	0	35	*	*	*	*
Hampstead	6·4	—	42	0	40	*	*	*	*
Camden Square	5·4	− 0·4	35	0	37	*	*	*	*
Aspatria	5·2	− 1·2	33	0	35	51·2	−0·8	47·3	−0·7
Newton Rigg	5·1	− 1·5	32	0	32	51·6	+0·2	47·1	−1·4
Stonyhurst	4·7	− 1·6	30	0	39	*	*	*	*
Blackpool	5·8	− 1·7	37	0	39	52·1	*	47·2	*
Southport	5·7	− 1·6	36	0	41	55·0	+0·2	51·0	−0·4
Hoylake	5·3	− 1·4	34	*	*	*	*	*	*
Liverpool	5·2	—	33	0	39	*	*	*	*
Manchester (City)	4·3	− 1·1	27	0	43	52·9	+1·0	49·4	+0·3
Whitworth Park	4·6	− 0·7	29	*	*	*	*	*	*
Llandudno	5·6	− 1·7	36	*	*	*	*	*	*
Holyhead	6·1	—	39	0	38	*	*	*	*
Aberdovey	—	—	—	*	*	*	*	*	*

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	64	15, 16	45	12, 18	59·0	48·9	53·7	—	2	0·15	4	—	Aberystwyth ..	5·3	— 1·3	34	•	•	•	•	•	•
a Rhayader	757	72	17th	42	12th	60·3	45·9	52·7	—	3	0·09	2	—	Rhayader ..	6·7	—	44	0	32	•	•	•	•
a St. Ann's Head	149	58	16th	46	12, 13	54·3	47·7	50·8	+ 0·1	4	0·22	6	— 5	Pembroke ..	5·7	— 1·6	37	•	•	•	•	•	•
p Cardiff	202	72	16, 17	45	12, 13	63·1	47·4	54·8	+ 2·7	3	0·18	5	— 9	Cardiff	8·0	—	52	0	36	54·7	+0·3	49·7	−0·5
b. ENGLAND, S.W.																						
a Bath	66	77	17th	45	13th	67·1	48·3	57·1	+ 4·4	3	0·50	13	+ 3	Bath	•	•	•	•	•	56·6	+1·7	51·9	+0·5
a Shaftesbury	722	75	17th	42	13th	63·3	46·3	54·3	+ 3·1	4	0·70	18	+ 6	Shaftesbury ..	•	•	•	•	•	54·9	•	50·8	•
a Arlington	613	68	17th	44	13, 18	60·7	47·4	53·7	+ 3·0	2	0·47	12	- 4										
a Hartland Quay ..	100	64	16th	48	12th	57·4	49·9	53·4	—	5	0·26	7	—										
a Newquay	190	72	12th	46	17th	62·0	48·0	54·6	+ 2·5	5	0·28	7	- 2	Newquay ..	6·2	- 1·2	41	0	37	55·9	•	51·7	•
a Cullompton	202	76	17th	42	18th	65·3	45·6	54·9	+ 2·3	4	0·41	10	- 2	Cullompton ..	5·9	- 0·8	39	0	37	55·3	•	•	•
a Portland Bill	19	63	17, 18	45	12th	57·3	48·3	52·5	+ 0·6	3	0·32	8	- 1	Weymouth ..	8·8	—	58	•	•	•	•	•	•
p Plymouth	116	69	18th	48	12, 14, 18	60·1	49·3	54·4	+ 1·2	5	0·48	12	+ 1	Plymouth ..	5·7	- 1·6	37	0	42	55·0	−0·9	51·3	•
a Falmouth	167	67	17th	46	14th	59·6	47·9	53·4	+ 1·1	5	0·46	12	0	Falmouth ..	6·3	- 1·5	41	0	39	56·5	•	53·8	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	63	17th	42	14th	57·1	45·7	51·1	+ 0·8	4	0·48	12	+ 1	Malin Head ..	4·5	—	28	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	58	18th	43	12th	55·3	47·1	51·0	+ 0·4	7	0·56	14	- 1	Markree Castle	3·7	- 2·5	23	0	35	54·6	+0·7	49·9	+0·4
West .. *p* Markree Castle ..	122	66	18th	43	12th	60·1	46·9	53·1	+ 3·3	4	0·44	11	- 4										
b. East .. *p* Armagh	196	67	18th	40	12th	61·6	45·4	53·0	+ 2·8	5	0·30	8	- 5	Armagh	4·0	- 2·1	25	0	32	52·9	−0·2	49·3	−0·2
b. East .. *a* Donaghadee ..	101	65	18th	40	14th	57·7	44·7	50·8	+ 1·0	5	0·29	7	- 5										
10. IRELAND, S.																						
p Dublin, City	47	68	16th	45	12, 14	62·6	49·0	55·4	+ 3·0	3	0·20	5	- 6	Trinity Coll. ..	•	•	•	0	39	53·6	+0·4	50·7	+0·3
a Birr Castle	175	68	18th	41	12th	61·7	46·7	53·8	+ 2·9	4	0·31	8	- 4	Phœnix Park ..	5·5	- 1·4	35	0	32	•	•	•	•
a Kilkenny	212	66	18th	40	18th	61·9	47·3	54·2	+ 2·8	6	0·48	12	0	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	20	63	18th	39	12th	60·0	48·1	53·7	+ 1·6	4	0·46	12	- 1	Birr Castle ..	4·7	- 1·5	30	0	34	•	•	•	•
p Seskin, Carrick-on-Suir	541	63	18th	40	12th	59·7	45·1	52·0	—	5	0·58	15	—	Seskin	6·1	—	39	0	35	•	•	•	•
a Cahir	198	63	14, 17	43	18th	59·9	47·4	53·3	+ 2·0	4	0·38	10	—										
a Foynes	50	68	— 18	41	—12	60·6	47·7	52·8	+1·7	5	0·72	8	-5										
a Cahirciveen (Val. Obs.)	30	59	15, 17, 18	47	13th	56·7	49·7	53·6	+ 0·9	5	0·85	22	+ 4	Cahirciveen ..	3·5	- 3·4	23	0	44	•	•	•	•
a Killarney	174	67	18th	45	13th	61·4	49·7	55·2	+ 3·2	6	0·75	19	+ 2	Ballinacurra ..	5·3	- 1·7	34	•	•	•	•	•	•
a Roche's Point	32	59	18th	47	12th	56·7	49·3	52·8	+ 1·0	7	0·74	19	+ 6										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	61	18th	48	12–14	58·3	49·0	53·4	+ 0·9	4	0·33	8	- 1	Scilly	7·2	- 0·1	47	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	75	16th	44	12th	63·7	50·1	56·5	+ 2·4	3	1·02	26	+ 16	St. Heliers ..	8·6	+ 0·9	57	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	72	16th	44	12th	62·6	49·4	55·6	+ 1·5	4	0·59	15	+ 6	Guernsey† ..	8·6	+ 0·6	57	0	42	56·1	0·0	52·1	−0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 18th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed	Mid Time		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	42	122	4	0	146	9	13	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	90	78	0	203	5	15	12	13	15	12	35
Aberdeen	153	105	52	—	—	—	—	8	115	45	0	169	6	13	11	13	15	12	15
Edinburgh	485	39	31	—	—	15	2	72	93	1	0	203	12	15	13	21	15	11	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	15	4	65	41	58	0	214	13	15	14	19	15	13	45
Paisley	188	81	52	—	—	—	—	7	95	66	0	214	6	15	14	14	15	3	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	3	75	90	0	203	6	15	15	13	17	17	5
South Shields	72	61	12	—	—	—	—	+9	+109	+50	+0	+180	8 +	+17	+17	12 +	7 +	18 —	46 —
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	13	134	21	0	157	10	13	13	—	—	—	—
Gorleston	52	42	‡	—	—	13	5	50	79	34	0	157	13	13	14	16	13	13	45
Shoeburyness	103	90	‡	—	—	—	—	23	118	27	0	203	10	13	12	18	12	10	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	16	92	60	0	225	7	14	16	12	12	10	0
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	49	118	1	0	—	8	14	16	14	13	9	30
Brighton	261	53	6	—	—	—	—	24	105	39	0	—	9	13	9	13	13	9	0
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	88	53	6	21	270	11	14	16	17	12	10	45
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	4	106	58	0	214	6	13 14	13 17	11	13	12	45
S. Kensington	123	92	30	—	—	—	—	—	143	25	0	259	5	12	14	10	17	15	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	6	48	114	0	270	8	12	14	11	12	13	5
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	42	116	10	0	300	10	12	10	—	—	—	—
Southport	80	62	48	—	—	12	3	64	96	5	0	259	12	12	16	15	17	13	35
Holyhead	60	40	‡	—	—	—	—	112	40	16	0	180	11	15	11	16	15	10	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	32	69	67	0	225	9	13	1	14	13	2	15
Plymouth	185	88	2	—	—	—	—	17	138	13	0	—	8	15	14	31	12	9	20
Lyme Regis	556	61	‡	—	—	—	—	27	57	80	4	—	9	12	11	13	12	11	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	12, 15	6	55	95	12	0	146	13	15	1	—	—	—	—
Quilty	100	40	‡	—	—	12, 13, 17	12	117	33	6	0	—	15	17	7	20	17	7	5
Cahirciveen (Val. Obs.)	98	41	‡	—	—	15	2	120	44	2	0	180	11	15	16	17	16	23	0
Weaver Pt.	160	30	‡	—	—	—	—	36	108	24	0	—	8	15	6	13	17	12	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	28	75	62	3	337	8	13	13	12	13	12	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTIETH WEEK of 1918—May 12th to May 18th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	70	38	86·3	80·1	83·1	+ 1·7	57	+ 12	0	− 5	4	0	0·72	18	+ 2	3·8	−1·9	23	1006
Eastern.																			
1. SCOTLAND, EAST ...	75	36	88·3	79·7	83·7	+ 1·8	65	+ 14	0	− 6	3	− 1	0·25	6	− 7	5·1	−0·8	32	1007
2. ENGLAND, N.E.	79	40	90·3	81·9	85·8	+ 3·2	92	+ 38	0	− 2	3	0	0·63	16	+ 5	6·1	−0·1	38	1009
3. ENGLAND, EAST ...	81	39	91·3	81·3	86·0	+ 2·3	94	+ 26	0	− 2	2	− 1	0·47	12	+ 1	7·2	+0·6	47	1011
4. MIDLAND COUNTIES ...	80	37	91·7	81·5	86·3	+ 2·6	97	+ 28	0	− 3	3	0	0·37	10	− 3	6·5	+0·5	41	1010
5. ENGLAND, S.E.	79	39	91·6	81·7	86·4	+ 2·2	99	+ 23	0	− 1	3	0	0·36	9	− 2	8·1	+1·0	52	1011
Western.																			
6. SCOTLAND, WEST ...	73	33	87·9	79·9	83·7	+ 0·8	64	+ 4	0	− 3	5	+ 1	0·61	15	− 2	5·5	−1·1	34	1008
7. ENGLAND, N.W.	77	33	89·3	81·9	85·4	+ 2·0	86	+ 23	0	− 1	3	0	0·34	9	− 4	5·3	−1·3	34	1009
8. ENGLAND, S.W. ...	77	42	89·2	81·6	85·1	+ 1·0	83	+ 12	0	− 1	4	+ 1	0·38	10	− 2	6·0	−0·9	39	1011
9. IRELAND, NORTH ...	68	40	87·9	80·8	84·2	+ 1·1	71	+ 13	0	− 1	5	+ 1	0·40	10	− 3	3·9	−2·3	24	1006
10. IRELAND, SOUTH ...	68	39	88·6	82·1	85·2	+ 1·2	83	+ 14	0	− 1	5	+ 2	0·52	13	− 1	4·8	−2·0	30	1008
11. ENGLISH CHANNEL ...	75	44	89·4	82·7	85·9	+ 1·1	92	+ 13	0	0	4	+ 1	0·65	17	+ 7	8·1	+0·4	54	1012

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, March 3rd to May 18th, 1918.

0. SCOTLAND, NORTH ...	72	20	82·6	76·1	79·2	+ 0·4	278	+ 6	176	− 38	36	−14	4·84	121	−106	4·1	−0·1	30	1016
Eastern.																			
1. SCOTLAND, EAST ...	75	9	82·7	75·0	78·7	− 0·3	277	− 49	261	+ 23	36	− 9	3·58	89	− 52	3·8	−0·8	28	1016
2. ENGLAND, N.E.	79	24	83·3	76·7	79·9	+ 0·1	355	+ 4	132	− 34	36	− 4	3·88	99	− 11	3·7	−1·3	28	1016
3. ENGLAND, EAST ...	81	22	84·3	76·5	80·2	− 0·1	419	− 19	141	− 25	34	− 3	4·82	123	+ 17	4·4	−0·9	33	1015
4. MIDLAND COUNTIES ...	80	22	85·0	76·3	80·5	+ 0·2	462	+ 7	151	− 34	32	− 4	4·52	114	− 3	3·8	−0·9	29	1015
5. ENGLAND, S.E.	79	24	85·1	77·1	80·9	− 0·1	475	+ 5	119	0	33	− 3	4·88	125	+ 11	4·6	−0·7	35	1014
Western.																			
6. SCOTLAND, WEST ...	73	23	84·0	76·3	80·0	+ 0·1	379	+ 17	155	− 1	31	−14	4·58	117	− 84	4·6	−0·2	34	1016
7. ENGLAND, N.W.	77	26	84·2	77·0	80·4	+ 0·2	408	+ 29	117	− 15	30	−10	3·67	94	− 52	4·8	−0·1	36	1015
8. ENGLAND, S.W.	77	23	84·8	77·4	31·1	+ 0·2	444	+ 7	96	− 4	32	− 7	4·86	124	− 39	5·1	−0·2	38	1015
9. IRELAND, NORTH ...	71	23	84·4	77·0	80·6	+ 0·2	422	+ 37	108	− 16	35	−14	4·13	105	− 61	4·8	+0·2	36	1014
10. IRELAND, SOUTH ...	73	23	85·3	77·8	81·4	+ 0·3	500	+ 34	78	− 14	37	− 6	5·79	145	− 31	5·2	+0·1	39	1015
11. ENGLISH CHANNEL ...	75	31	85·2	79·3	82·1	0·0	516	− 8	19	− 8	35	− 6	4·61	118	− 14	5·8	−0·4	44	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 20 Weeks, December 30th, 1917, to May 18th, 1918.

0. SCOTLAND, NORTH ...	72	5	81·0	75·1	78·0	+ 0·3	372	+ 41	514	− 20	88	− 8	18·18	459	− 43	2·8	−0·2	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	75	−3	81·1	74·3	77·6	0·0	363	− 26	617	+ 5	76	− 5	9·34	235	− 33	2·8	−0·6	25	1014
2. ENGLAND, N.E.	79	9	81·8	75·8	78·7	+ 0·4	465	+ 32	394	− 77	71	− 3	7·71	195	− 4	2·9	−0·8	26	1016
3. ENGLAND, EAST ...	81	14	82·5	75·6	79·0	+ 0·4	541	+ 12	411	− 82	67	− 5	8·35	213	+ 18	3·5	−0·4	31	1016
4. MIDLAND COUNTIES ...	80	12	83·0	75·7	79·3	+ 0·7	600	+ 44	402	−119	65	− 6	8·68	220	− 3	2·9	−0·6	26	1016
5. ENGLAND, S.E.	79	15	83·0	76·3	79·6	+ 0·3	611	+ 24	353	− 26	65	− 5	9·55	243	+ 15	3·6	−0·4	32	1016
Western.																			
6. SCOTLAND, WEST ...	73	5	82·2	75·8	78·9	+ 0·3	494	+ 46	374	− 41	78	− 9	15·64	398	− 28	3·2	−0·2	28	1015
7. ENGLAND, N.W.	77	12	82·7	76·6	79·6	+ 0·7	569	+ 98	280	−102	68	− 9	10·02	256	− 38	3·4	−0·1	30	1015
8. ENGLAND, S.W.	77	16	83·1	77·0	80·1	+ 0·5	632	+ 51	256	− 45	68	− 9	11·98	306	− 34	3·7	−0·2	32	1016
9. IRELAND, NORTH ...	71	18	82·9	76·7	79·7	+ 0·5	600	+ 91	277	− 62	82	−11	11·71	297	− 41	3·2	−0·2	28	1013
10. IRELAND, SOUTH ...	73	19	83·8	77·5	80·6	+ 0·6	742	+ 94	217	− 43	82	− 2	14·74	373	+ 5	3·5	−0·3	31	1015
11. ENGLISH CHANNEL ...	75	26	83·7	78·7	81·2	+ 0·1	758	+ 17	91	− 14	72	−11	8·50	216	− 66	4·5	−0·1	39	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: May 23rd, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 21.

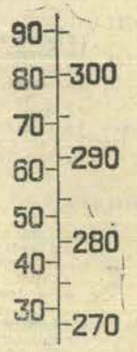
THE TWENTY-FIRST WEEK OF 1918.
SUNDAY, MAY 19TH, TO SATURDAY, MAY 25TH, 1918.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

AUTHORITY FOR ISSUE ISSUED ON 81 ARS. 7455 1.5.18

I.—GENERAL SUMMARY. [First published in 1878.]

The very fine and warm weather which was prevalent over the British Isles during the later days of the preceding week was maintained for the first half of the current week. During Wednesday, however, thunderstorms occurred in nearly all parts of Great Britain and in many districts were renewed on Thursday; at the close of the week conditions were improving. There were four rain-days in the western and northern districts, but only two or three in the east and south. The amount was below the normal in England S.E., and showed a slight deficit in Scotland N.; elsewhere it was heavy. Measurements of 12 to 25 mm. (½ in. to 1 in.) were common in nearly all parts of Great Britain with the thunderstorms of the 22nd and 23rd, and at Beddgelert there was as much as 82 mm. on one day, the week's total being 120 mm. Large hailstones fell in many districts, causing much damage to crops and glass. "Glaslyn river over road at Nantgwynant 4 ft. deep." On the 23rd, at 12h. 15m., a gust of 32 m/s was registered by Farnborough Golf Course Anemograph. Temperature fell very quickly between Wednesday and Thursday, the difference in the maxima for the two days being very large, as much as 10a. generally, and at some stations in England N.W. nearly 15a. Notwithstanding this sudden change, the week's average was everywhere well above the normal. Absolute maxima of 300a. were registered over England generally, the extreme being 302a. at Manchester and Clifton. Minima of about 275a. were observed at one or two high-level stations in Scotland and Wales; on the other hand, some of the nights were warm, especially in the south, the thermometer not descending below 289a. Bright sunshine exceeded the normal over England by about 2 hrs. generally, but was deficient in Scotland and Ireland. Solar halos were observed at Aberdeen on the 21st and 22nd, at Oxford on the 24th and in London on the 25th; a lunar halo was seen at Little Massingham (Norfolk) on the 22nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	3·2	9	4·1	15	1·7	7	3·4	18	3·2	14	1·8	13	3·5	22	4·5
North	11	2·9	15	2·5	8	3·1	10	1·4	7	3·6	13	2·8	4	1·9	4	4·8
West	9	3·6	17	4·6	7	3·1	12	3·8	22	3·6	18	4·0	7	7·6	9	4·5
East	13	3·9	8	2·2	13	2·1	10	3·4	1	0·7	7	2·0	13	2·5	15	0·8
Calm	4	—	1	—	4	—	6	—	3	—	0	—	5	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Light	Heavy	Very heavy	Moderate	Heavy	Moderate	Heavy
	Sunshine ...	Very scanty	Scanty	Abundant	Abundant	Abundant	Abundant	Scanty	Moderate	Abundant	Scanty	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 12 weeks from Mar. 3rd, 1918.	Warmth ...	5, 6, 1	4, 3, 5	4, 6, 2	4, 6, 2	4, 7, 1	4, 7, 1	4, 6, 2	5, 6, 1	5, 6, 1	5, 5, 2	6, 4, 2	2, 9, 1
	Rainfall ...	0, 6, 6	3, 4, 5	4, 3, 5	3, 7, 2	4, 4, 4	4, 4, 4	2, 6, 4	1, 7, 4	3, 5, 4	2, 5, 5	2, 5, 5	4, 6, 2
	Sunshine ...	4, 1, 7	1, 6, 5	3, 1, 8	2, 5, 5	3, 2, 7	3, 6, 3	2, 6, 4	2, 8, 2	3, 6, 3	3, 4, 5	5, 2, 5	2, 7, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour

(17622—19.) Wt. 199—789. 625. 5/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	55	19, 23	45	19, 22, 25	52·1	45·6	48·7	+ 3·0	3	0·13	3	- 7										
p Deerness	160	62	19th	47	19, 22, 24	57·4	47·6	52·2	—	1	0·12	3	- 6	Deerness	3·0	- 2·7	18	•	°	•	°	•	•
a Stornoway	51	65	22nd	47	21, 22	59·0	49·4	53·9	+ 5·8	6	0·30	8	- 4	Stornoway	4·1	- 2·1	34	•	•	•	°	•	•
a Castlebay, Barra Isd.	37	58	21st	41	19th	55·7	48·6	51·8	—	4	0·17	4	—	Castlebay	4·5	—	27	•	•	•	°	•	•
b, Mainland. a Wick	81	64	19th	46	20th	56·9	47·4	51·9	+ 4·3	4	0·17	4	- 6										
p Glencarron	500	72	22nd	45	19, 25	61·9	47·7	54·4	+ 5·9	5	0·63	16	- 5										
p Fort Augustus	68	66	20th	42	25th	61·9	47·4	51·2	+ 4·9	3	0·71	18	+ 7	Fort Augustus	1·7	- 2·8	10	•	•	•	•	•	•
p Fort William	171	76	22nd	45	25th	64·1	50·4	56·8	+ 6·1	5	1·00	25	+ 7										
1. SCOTLAND, E.																							
a Nairn	82	68	20th	47	19, 25	61·1	49·7	55·1	+ 5·3	5	1·22	31	+ 21	Nairn	1·5	—	9	•	•	•	•	•	•
p Gordon Castle	101	71	22nd	48	20th	66·1	50·9	58·0	+ 7·9	5	0·54	14	+ 3	Gordon Castle	2·1	—	13	•	•	•	•	•	•
a Aberdeen	46	70	22nd	45	19th	64·6	49·4	56·5	+ 7·2	5	0·20	5	- 7	Aberdeen	3·7	- 2·4	22	0	40	°	°	48·1	+1·2
a Balmoral	930	72	22nd	38	19th	64·9	46·4	55·1	+ 7·6	5	0·51	13	+ 1	Balmoral	°	•	•	0	36	•	•	°	°
p Crieff	432	71	22nd	45	25th	66·3	49·0	57·1	+ 6·0	5	0·82	21	+ 7	Crathes	2·4	- 3·3	14	0	33	54·9	+3·6	48·5	+0·9
a Dundee	244	70	20, 22	44	19th	60·4	48·6	57·0	+ 6·1	3	0·95	24	+ 13	Dundee	5·3	—	32	0	36	54·9	•	•	•
a Leith	30	74	20th	47	19th	65·7	50·1	57·4	+ 6·2	4	1·31	33	+ 23	Leith	•	•	•	0	41	•	•	•	•
p Edinburgh	441	74	21st	46	19th	66·9	51·1	58·5	+ 8·9	4	1·04	27	+ 17	Edinburgh	4·5	- 1·3	27	0	41	•	•	•	•
a West Linton	769	79	22nd	40	20th	66·1	47·3	56·1	+ 8·4	3	1·12	28	—	West Linton	4·4	—	27	0	35	•	•	•	•
p Marchmont	498	74	21, 22	43	19th	68·6	49·9	58·7	+ 9·3	2	0·40	10	- 3	Marchmont	5·5	- 0·3	34	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	72	22nd	46	25th	62·8	51·4	56·8	—	5	1·23	31	—	Ford (Argyll)	•	•	•	0	43	55·9	•	48·6	°
p Glasgow Observatory	180	78	22nd	47	19th	66·7	51·7	58·8	+ 7·3	4	0·53	14	+ 16	Glasgow	3·4	- 2·0	21	0	38	•	•	•	•
p Rothesay	200	68	22nd	46	25th	62·1	49·3	55·3	+ 3·8	5	2·35	60	+ 45	Rothesay	3·7	—	23	0	39	55·9	•	49·6	+0·3
a Kilmarnock	90	76	21st	44	19th	67·3	49·9	58·1	+ 7·2	4	0·93	24	+ 12	Kilmarnock	4·8	—	29	•	°	56·1	•	49·1	•
a Colmonell	170	72	21st	47	19th	64·0	50·7	57·0	+ 6·1	3	1·21	31	+ 18	Colmonell	•	•	•	0	44	•	•	•	•
p Cally, Gatehouse	120	76	22nd	40	20th	65·1	46·1	55·0	+ 4·1	3	0·74	19	+ 3	Dumfries	4·8	—	29	0	36	57·2	+2·4	51·3	0·0
p Dumfries	160	80	22nd	41	25th	67·0	47·4	56·6	+ 4·6	4	0·60	15	+ 2	Eskdalemuir	6·0	—	37	2	30	•	•	•	•
a Eskdalemuir	794	79	22nd	36	19th	66·4	44·4	54·7	—	4	1·42	36	—										
b, I. OF MAN p Douglas	277	69	22nd	46	20th	62·0	48·6	54·9	+ 3·6	4	1·65	42	+ 30	Douglas	5·1	- 2·4	31	0	42	•	•	•	•
2. ENGLAND, N.E																							
a Alnwick Castle	210	77	20th	43	19th	69·1	50·6	59·3	+ 9·7	3	1·22	31	+ 17										
a Tynemouth	71	68	21st	46	19th	63·0	50·6	56·4	+ 6·9	3	0·52	13	+ 1	Cockle Park	7·0	+ 1·0	43	0	40	56·9	+5·0	49·7	+1·1
p Durham	336	77	22nd	39	19th	71·7	49·7	60·0	+10·0	3	0·31	8	- 4	Durham	7·4	+ 1·9	45	0	31	•	•	•	•
a North .. p Rounton	249	79	22nd	42	19th	71·6	50·3	60·3	+10·6	4	0·69	17	+ 4	Rounton	•	•	•	0	35	56·2	—	•	•
a West Witton	605	80	22nd	42	19th	71·1	50·7	60·3	—	4	0·88	22	—	West Witton	•	•	•	0	34	57·4	•	46·6	•
p Scarborough	100	72	20th	52	19, 22, 23	67·0	52·9	59·5	+ 8·9	3	0·24	6	- 6	Scarborough†	8·7	+ 2·5	54	•	•	•	•	45·0	•
p York	56	81	22nd	41	19th	73·0	51·1	61·4	+ 9·0	2	0·76	19	+ 7	York	6·7	+ 1·0	42	•	•	56·8	+3·9	50·0	+0·5
b, South .. a Spurn Head	26	65	23rd	50	19, 20, 24	61·7	51·9	56·5	+ 5·5	2	0·43	11	+ 2	Spurn Head	9·4	—	58	•	•	•	•	•	•
a Lincoln	58	83	22nd	48	19th	73·1	51·2	61·5	+ 8·4	3	0·66	17	+ 5	Lincoln	•	•	•	0	41	58·3	+3·9	50·5	+0·6
a Fulbeck	180	80	21, 22	44	19th	72·0	50·6	60·7	+ 8·1	2	0·40	10	- 2	Rauceby	8·1	+ 1·5	51	•	•	60·1	+3·1	50·5	-0·3
														Skegness	9·0	+ 2·1	56	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	81	22nd	45	24th	70·1	48·7	58·8	+ 6·8	1	0·29	7	- 2	Cromer	10·1	+ 3·4	63	•	•	•	•	•	•
a Little Massingham	280	81	22nd	45	19, 24	71·7	47·7	59·0	+ 6·3	2	1·07	27	+ 15	Lit. Massingham	9·1	+ 2·5	57	•	•	•	•	•	•
a Yarmouth	13	69	23rd	46	21st	63·3	48·6	55·5	+ 3·6	1	0·13	3	- 7	Yarmouth	10·0	—	63	0	38	56·1	-1·5	51·0	-2·5
a Norwich	93	81	21st	45	21st	72·9	48·3	59·9	+ 6·6	1	0·27	7	- 4	Norwich	10·2	—	64	0	41	59·9	•	•	•
a Geldeston	37	76	21, 22	40	21st	71·3	44·6	57·2	+ 4·6	1	0·15	4	- 6	Geldeston	10·0	+ 2·9	63	•	•	•	•	•	•
p Cambridge	41	81	22nd	45	21st	73·0	47·3	58·9	+ 5·1	2	0·96	24	+ 13	Cambridge	8·8	+ 2·1	55	0	41	59·9	+3·5	52·7	+0·2
a Clacton-on-Sea	54	68	22nd	48	24th	62·9	51·4	56·8	+ 4·1	3	0·81	21	+ 13	Clacton	9·8	+ 2·2	62	0	43	58·4	+3·1	53·4	+0·6
a Rothamsted	424	80	21st	45	21st	69·4	48·9	58·5	+ 5·7	2	1·05	27	+ 15	Rothamsted	8·4	+ 1·9	53	0	38	56·3	•	•	•
p Tottenham	51	81	21st	48	21st	71·7	50·7	60·6	—	3	0·91	23	—	Tottenham	8·8	—	56	0	48	•	•	52·4	-0·6
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	77	22nd	43	19th	69·1	51·0	59·5	+ 9·1	3	1·24	32	+ 18	Harrogate	7·7	+ 2·0	48	0	39	55·1	+4·2	50·8	+1·7
p Sheffield	429	80	21, 22	46	19th	72·0	51·6	61·2	—	3	1·30	33	—	Sheffield	7·9	+ 2·5	49	0	36	56·1	+3·8	47·9	+0·1
p Buxton	987	77	22nd	40	19th	67·7	46·4	56·4	—	4	1·81	46	+ 27	Buxton	8·3	—	52	0	40	56·7	+4·6	48·4	+1·2
a Bawtry	65	81	21, 22	40	19th	71·7	49·0	59·7	+ 7·0	3	1·00	25	+ 14	Worksop	7·8	+ 2·5	49	0	?38	58·1	—	52·0	•
a Nottingham	82	82	21st	42	19th	72·4	49·4	60·2	+ 7·4	3	0·79	20	+ 8	Nottingham	7·2	+ 1·5	45	0	41	60·5	+5·7	51·8	+1·7
b, East .. p Birmingham, Edgbsn.	535	82	22nd	46	23, 24	72·3	50·3	60·6	+ 7·8	2	1·05	27	+ 14	Birmingham	8·4	+ 3·6	53	0	34	54·3	+3·9	47·7	+0·1
a Raunds	203	83	21st	43	19th	72·0	47·6	59·1	+ 5·8	3	0·59	15	+ 1	Raunds	8·1	—	51	0	34	57·2	—	49·1	•
p Oxford	208	82	22nd	48	19th	74·3	49·9	61·4	+ 7·6	2	0·79	20	+ 8	Oxford	9·0	+ 2·8	57	0	39	•	•	•	•
c, West .. a Cheadle (N. Staffs.)	646	80	22nd	46	19, 24	70·1	49·4	59·1	+ 7·7	2	1·25	32	+ 18	Cheadle	•	•	•	0	42	•	•	•	•
p Shrewsbury	191	83	21, 22	42	19th	73·1	49·1	60·4	+ 7·7	4	2·18	55	+ 44	Shrewsbury	•	•	•	0	38	•	•	•	•
a Hereford	291	81	22nd	42	25th	72·3	47·1	58·9	+ 5·6	3	1·01	26	+ 13	Malvern	9·3	—	58	—	—	59·9	•	52·6	•
a Clifton	229	84	22nd	48	19th	73·0	53·0	62·4	+ 7·3	3	0·38	10	- 6	Clifton	10·1	—	64	0	47	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	81	22nd	42	19th	71·6	47·3	58·7	+ 6·4	2	0·42	11	- 2	Worthing	11·5	+ 3·9	73	0	48	61·7	+4·0	53·0	+0·1
p Salisbury (Wilton)	180	83	22nd	46	19, 25	74·5	47·9	60·4	+ 6·4	2	0·28	7	- 6	Marlborough	8·8	+ 2·8	56	0	39	57·7	—	50·1	•
a Wisley, Surrey	150	83	22nd	47	20, 21	73·7	49·7	61·0	+ 7·3	2	0·26	7	- 3	Salisbury	•	•	•	0	44	62·3	•	•	•
a Tunbridge Wells	354	81	22nd	48	24th	72·1	52·6	61·8	+ 8·4	2	0·13	3	- 9	Wisley	9·3	+ 2·6	59	0	37	58·7	+2·7	51·2	-0·9
a Margate	51	69	22nd	47	21st	64·6	52·0	57·9	+ 4·1	2	0·30	8	- 2	Tunbridge Wells	9·0	+ 2·1	57	0	39	58·4	+0·7	52·3	•
														Margate	9·0	+ 2·4	57	0	40	59·7	+4·4	53·8	+2·0
a Dungeness	21	72	22nd	50	19, 21, 25	66·4	51·1	58·3	+ 5·2	3	0·16	4	- 4	Folkestone	9·1	—	58	•	•	•	•	•	•
p St. Leonards	178	79	22nd	49	24th	70·3	54·6	62·0	+ 8·2	2	0·07	2	- 8	St. Leonards	9·8	+ 2·2	62	0	47	61·4	•	52·5	•
p Southampton	64	76	21st	50	24, 25	71·6	52·3	61·4	+ 5·9	2	0·14	4	- 8	Southampton	11·3	+ 4·3	72	0	41	•	•	•	•
a Ventnor	59	72	21st	50	24th	67·9	55·1	61·1	+ 6·5	1	0·11	3	- 8	Ventnor	11·6	+ 4·4	74	•	•	•	•	•	•
LONDON, p Richmond (Kew Obs.)	18	82	21st	49	20, 24	72·8	52·1	61·8	+ 7·3	2	0·28	7	- 4	Richmond	8·2	+ 1·7	52	0	39	59·5	+3·7	51·3	-0·1
a Westminster	27	83	21st	49	24th	72·9	54·5	63·2	+ 8·0	2	0·67	17	+ 7	Westminster	8·6	+ 3·6	55	0	?	•	•	•	•
ag Greenwich	143	83	21st	47	20, 21	72·4	50·0	60·5	+ 6·2	2	0·55	14	+ 4	Greenwich	9·0	+ 2·9	57	0	37	•	•	•	•
a Hampstead	450	81	21st	46	23, 24	71·0	49·6	59·7	—	2	0·58	15	—	Hampstead	9·0	—	57	0	41	•	•	•	•
ag Camden Square	110	88	21st	49	21, 24	75·9	52·9	63·7	+ 7·5	2	0·78	20	+ 9	Camden Square	7·2	+ 1·5	46	0	44	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	80	22nd	40	19th	66·9	49·1	57·5	+ 6·4	4	1·31	33	+ 21	Aspatria	5·7	- 0·6	35	0	35	55·4	+1·9	49·2	+0·3
p Newton Rigg	559	79	22nd	38	19th	68·6	48·0	57·7	+ 7·1	5	0·84	21	+ 9	Newton Rigg	6·0	- 0·5	37	0	31	56·2	+3·1	48·9	+0·4
p Stonyhurst	375	80	22nd	43	19th	69·1	51·9	60·0	+ 8·4	3	0·74	19	+ 5	Stonyhurst	6·6	+ 0·5	41	0	34	•	•	•	•
p Blackpool	66	82	22nd	42	19th	67·3	50·7	58·5	+ 6·7	4	1·41	36	+ 25	Blackpool	7·3	0·0	45	1	29	56·1	•	48·9	•
a Southport	37	83	22nd	43	19, 20	68·0	50·6	58·8	+ 6·5	5	1·59	40	+ 30	Southport	7·4	+ 0·3	46	0	35	60·1	+3·5	53·9	+1·0
a Liverpool (Bidston)	188	83	22nd	48	24, 25	67·4	51·7	59·1	+ 6·2	4	1·10	28	+ 18	Hoylake	8·0	+ 1·5	50	•	•	•	•	•	•
a Hawarden Bridge	22	82	22nd	44	19th	69·4	51·0	59·7	+ 6·3	4	1·56	40	+ 31	Liverpool	8·2	—	51	0	40	•	•	•	•
p Manchester (Whit. Pk.)	126	84	22nd	44	19th	72·3	51·0	61·0	+ 7·3	3	1·27	32	+ 21	Manchester (City)	6·0	+ 0·7	38	0	42	59·4	+5·6	51·9	+1·3
														Whitworth Park	7·0	+ 1·9	44	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	73	21st	45	19, 20	63·6	49·9	56·3	+ 3·4	4	2·18	55	+ 45	Llandudno	7·3	+ 0·2	46	•	•	•	•	•	•
a Holyhead	15	68	20th	45	21st	59·4	48·0	53·4	+ 1·6	4	1·55	39	+ 29	Holyhead	5·6	—	35	0	43	•	•	•	•
a Beddgelert	309	79	22nd	41	20th	66·4	48·7	57·0	—	4	4·72	120	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	71	20, 21	42	19th	61·3	49·7	55·2	—	4	2·12	54	—	Aberystwyth ..	5·1	− 1·2	32	•	•	•	•	•	•
a Rhayader	757	78	22nd	34	19th	67·3	45·6	55·8	—	5	2·11	54	—	Rhayader ..	7·8	—	49	1	27	•	•	•	•
a St. Ann's Head	149	63	20th	44	19th	58·0	48·6	53·0	+ 1·2	4	0·81	21	+ 10	Pembroke ..	5·8	− 1·2	36	•	•	•	•	•	•
p Cardiff	202	81	22nd	46	19, 24	70·9	49·1	59·4	+ 6·1	3	0·59	15	+ 1	Cardiff	9·7	—	62	0	37	59·8	+3·7	51·5	0·0
b. ENGLAND, S.W.																							
a Bath	66	82	22nd	45	19th	73·3	50·0	61·0	+ 7·2	2	0·21	5	− 6	Bath	•	•	•	•	•	60·3	+3·6	53·9	+1·1
a Shaftesbury	722	77	22nd	44	24th	68·7	51·0	59·3	+ 7·0	1	0·13	3	− 9	Shaftesbury ..	•	•	•	•	•	61·0	•	55·2	•
a Arlington	613	77	21, 22	42	19th	67·6	48·8	57·6	+ 5·8	3	1·40	36	+ 19										
a Hartland Quay ..	100	71	21st	49	19th	61·0	51·7	56·1	—	3	0·52	13	—										
a Newquay	190	73	21st	41	19th	61·9	48·6	54·9	+ 1·8	4	0·28	7	− 3	Newquay ..	8·2	+ 1·1	53	1	30	58·9	•	52·9	•
a Cullompton	202	80	22nd	42	19th	72·1	47·1	58·9	+ 5·2	3	0·49	13	+ 1	Cullompton ..	9·7	+ 3·3	62	0	36	60·3	•	•	•
a Portland Bill	19	63	19th	50	24, 25	59·4	52·3	55·6	+ 2·6	3	0·06	2	− 7	Weymouth ..	12·3	—	79	•	•	•	•	•	•
p Plymouth	116	76	20th	48	19th	66·0	51·7	58·4	+ 4·1	3	0·16	4	− 8	Plymouth ..	10·9	+ 3·9	70	0	39	60·6	+3·4	53·0	•
a Falmouth	167	68	19th	47	24, 25	64·0	49·6	56·4	+ 3·0	3	0·12	3	− 8	Falmouth ..	10·6	+ 3·2	68	0	37	60·1	•	55·0	•
9. IRELAND, N.																							
West .. *a* Malin Head	208	62	22nd	48	24th	58·1	49·6	53·6	+ 3·0	4	0·87	22	+ 12	Malin Head ..	4·9	—	30	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	63	21st	47	25th	58·6	49·3	53·7	+ 1·8	3	0·63	16	+ 2	Markree Castle	5·7	− 0·4	35	0	35	57·4	+2·0	50·8	+0·4
West .. *p* Markree Castle ..	122	73	21st	42	24th	65·3	49·1	56·7	+ 5·6	4	0·88	22	+ 8										
b. East .. *p* Armagh	196	74	21st	42	24th	64·4	48·6	56·0	+ 4·5	5	1·28	32	+ 20	Armagh	3·3	− 2·8	20	0	35	55·7	+1·1	50·6	− 0·1
b. East .. *a* Donaghadee ..	101	68	21st	46	25th	60·1	48·3	53·9	+ 2·8	4	0·91	23	+ 12										
10. IRELAND, S.																							
p Dublin, City	47	72	21st	47	24th	65·4	51·9	58·3	+ 4·7	3	0·78	20	+ 9	Trinity Coll. ..	•	•	•	0	38	57·0	+2·3	52·2	+0·8
a Birr Castle	175	73	21st	48	24th	65·6	49·7	57·2	+ 5·1	4	0·87	22	+ 10	Phœnix Park ..	4·7	− 2·0	29	0	34	•	•	•	•
a Kilkenny	212	70	21st	44	24th	65·4	48·4	56·4	+ 3·9	4	0·59	15	+ 3	Dublin City ..	•	•	•	0	43	•	•	•	•
a Waterford	20	65	24th	47	20, 24	62·0	50·0	55·6	+ 2·4	4	0·90	23	+ 11	Birr Castle ..	6·7	+ 0·7	42	0	40	•	•	•	•
p Seskin, Carrick-on-Suir	541	68	24th	45	23, 24	62·1	47·1	54·2	—	4	0·68	17	—	Seskin	5·9	—	37	0	36	•	•	•	•
a Cahir	199	71	21st	46	23rd	64·7	49·1	56·4	+ 3·9	4	0·57	14	—										
a Foynes	50	72	21st	47	23rd	64·6	50·7	57·2	+ 4·0	3	0·63	16	+ 3										
a Cahirciveen (Val. Obs.)	30	62	21, 22, 24	48	23rd	60·3	51·6	55·7	+ 2·6	3	0·52	13	− 4	Cahirciveen ..	7·8	+ 1·1	49	0	246	•	•	•	•
a Killarney	174	73	21st	47	23rd	66·8	51·6	58·7	+ 5·6	3	0·53	13	− 3	Ballinacurra ..	7·1	+ 0·3	45	•	•	•	•	•	•
a Roche's Point	32	61	22, 24, 25	49	23rd	59·9	52·0	55·7	+ 2·8	5	0·38	10	− 3										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	20th	48	23rd	61·7	51·1	56·1	+ 2·7	4	0·94	24	+ 14	Scilly	7·9	+ 0·5	51	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	81	21st	50	24, 25	70·0	54·9	62·0	+ 7·0	1	0·43	11	− 1	St. Heliers ..	11·4	+ 3·6	74	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	80	21st	49	25th	69·6	53·9	61·3	+ 6·5	2	0·52	13	+ 2	Guernsey† ..	12·3	+ 4·3	80	0	46	61·9	+4·2	54·6	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 25th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.) ..	188	16	5	—	—	—	—	42	116	10	0	90	9	22	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	83	85	0	203	5	19	13	13	19	12	35
Aberdeen	153	105	52	—	—	—	—	7	86	65	0	315	9	24	7	14	24	8	15
Edinburgh	485	39	31	—	—	—	—	64	101	3	0	169	10	22	20	18	22	20	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	27	74	67	0	203	10	21	16	14	21	16	0
Paisley	188	81	15	—	—	—	—	2	86	80	0	180	6	22	22	12	23	13	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	15	47	106	0	349	7	24	10	14	22	13	35
South Shields	72	61	12	—	—	—	—	18	80	70	0	11	9	24	11	14	24	11	5
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	16	124	28	0	247	9	23	17	—	—	—	—
Gorleston	52	42	‡	—	—	23	3	49	75	41	0	169	12	23	11	18	23	13	15
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	23	7	35	95	31	0	247	13	23	16	23	22	22	55
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	65	103	0	0	—	10	23	23	18	23	22	45
Brighton	261	53	6	—	—	23	1	64	87	16	0	—	11	23	24	18	23	23	25
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	23, 24	28	38	50	52	0	247	14	23	13	28	23	12	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	30	80	55	3	169	9	23	15	23	23	12	40
S. Kensington	123	92	30	—	—	—	—	37	117	14	0	247	8	23	13	18	23	12	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	49	119	0	270	5	25	13	10	22	19	5
Fleetwood (Cup Anr.) ..	109	44	‡	23, 24	10	23, 24	9	28	84	16	21	304	20	24	1	—	—	—	—
Southport	80	62	48	23, 24	8	23, 24	13	48	82	11	6	304	19	23	22	24	23	21	0
Holyhead	60	40	‡	—	—	23, 24	16	50	87	15	0	281	17	23	18	22	23	17	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	23	3	7	52	87	19	270	12	23	10	19	23	9	50
Plymouth	185	88	‡	—	—	—	—	14	109	45	0	—	8	23	12	17	23	10	45
Lyme Regis ..	556	61	‡	—	—	23	1	42	26	99	0	—	11	23	18	21	23	11	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	‡	—	—	23, 24	16	34	81	37	0	281	14	23	19	—	—	—	—
Quilty	100	40	‡	—	—	22, 23, 25	12	100	28	28	0	—	13	23	12	17	23	9	25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	121	42	5	0	180	10	20	11	14	20	10	10
Weaver Pt.	160	30	‡	—	—	—	—	26	87	55	0	—	10	23	11	17	23	11	5
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	23	4	20	41	103	0	315	11	23	8	16	23	7	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1918 - May 19th to May 25th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	°/₀	mb.
0. SCOTLAND, NORTH ...	76	42	88·2	81·9	84·8	+ 2·4	79	+ 28	0	− 3	4	0	0·49	12	− 1	2·9	−2·5	17	1018
Eastern.																			
1. SCOTLAND, EAST ...	79	38	91·6	82·5	86·8	+ 3·9	104	+ 46	0	− 4	4	0	0·77	20	+ 8	3·8	−2·1	20	1018
2. ENGLAND, N.E.	83	39	93·6	83·6	88·3	+ 4·9	123	+ 61	0	− 1	3	0	0·58	15	+ 3	7·8	+1·6	49	1019
3. ENGLAND, EAST ...	81	40	93·8	82·2	87·7	+ 3·1	115	+ 38	0	− 1	2	− 1	0·63	16	+ 5	9·4	+2·6	59	1020
4. MIDLAND COUNTIES ...	84	40	95·2	82·8	88·6	+ 4·2	127	+ 51	0	− 1	3	0	1·03	26	+ 13	8·3	+2·5	52	1020
5. ENGLAND, S.E.	83	42	94·4	83·8	88·8	+ 3·7	129	+ 45	0	0	2	− 1	0·21	5	− 6	9·8	+2·8	62	1020
Western.																			
6. SCOTLAND, WEST ...	80	40	91·1	82·7	86·7	+ 3·0	102	+ 36	0	− 1	4	+ 1	1·16	29	+ 15	4·3	−2·2	26	1019
7. ENGLAND, N.W.	84	38	92·6	83·1	87·6	+ 3·5	113	+ 42	0	0	4	+ 1	1·34	34	+ 23	6·8	+0·4	42	1019
8. ENGLAND, S.W.	82	34	92·3	82·7	87·2	+ 2·5	109	+ 32	0	0	3	0	0·61	16	+ 3	8·5	+1·9	54	1021
9. IRELAND, NORTH ...	74	42	89·7	82·5	85·9	+ 2·1	92	+ 25	0	− 1	4	0	0·91	23	+ 11	4·5	−1·6	28	1018
10. IRELAND, SOUTH ...	73	44	90·7	83·3	86·8	+ 2·2	104	+ 27	0	0	4	+ 1	0·64	16	+ 3	6·6	0·0	41	1020
11. ENGLISH CHANNEL ...	81	48	92·5	84·8	88·4	+ 3·1	125	+ 40	0	0	2	− 1	0·63	16	+ 5	10·5	+2·7	68	1022

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, March 3rd to May 25th, 1918.

0. SCOTLAND, NORTH ...	76	20	83·1	76·6	79·7	+ 0·6	357	+ 34	176	− 41	40	−14	5·33	133	−107	4·0	−0·4	29	1016
Eastern.																			
1. SCOTLAND, EAST ...	79	9	83·5	75·6	79·4	0·0	381	− 3	261	+ 19	40	− 9	4·35	109	− 44	3·8	−0·9	27	1016
2. ENGLAND, N.E.	83	24	84·2	77·3	80·6	+ 0·5	478	+ 65	132	− 35	39	− 4	4·46	114	− 8	4·1	−1·0	30	1016
3. ENGLAND, EAST ...	81	22	85·1	77·0	80·9	+ 0·2	534	+ 19	141	− 26	36	− 4	5·45	139	+ 22	4·8	−0·6	35	1015
4. MIDLAND COUNTIES ...	84	22	85·9	76·9	81·2	+ 0·5	589	+ 58	151	− 35	35	− 4	5·55	140	+ 10	4·2	−0·6	31	1015
5. ENGLAND, S.E.	83	24	85·8	77·7	81·6	+ 0·3	604	+ 50	119	0	35	− 4	5·09	130	+ 5	5·1	−0·4	37	1015
Western.																			
6. SCOTLAND WEST ...	80	23	84·6	76·8	80·5	+ 0·3	481	+ 53	155	− 2	35	−13	5·74	146	− 69	4·6	−0·4	33	1016
7. ENGLAND, N.W.	84	26	84·9	77·5	81·0	+ 0·4	521	+ 71	117	− 15	34	− 9	5·01	128	− 29	5·0	0·0	36	1015
8. ENGLAND, S.W.	82	23	85·4	77·9	81·6	+ 0·4	553	+ 39	96	− 4	35	− 7	5·47	140	− 36	5·3	−0·1	39	1015
9. IRELAND, NORTH ...	74	23	84·8	77·5	81·0	+ 0·4	514	+ 62	108	− 17	39	−14	5·04	128	− 50	4·8	+0·1	35	1015
10. IRELAND, SOUTH ...	73	23	85·8	78·3	81·9	+ 0·5	604	+ 61	78	− 14	41	− 5	6·43	161	− 28	5·2	−0·1	39	1015
11. ENGLISH CHANNEL ...	81	31	85·8	79·7	82·6	+ 0·2	641	+ 32	19	− 8	37	− 7	5·24	134	− 9	6·2	−0·1	46	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 21 Weeks, December 30th, 1917, to May 25th, 1918.

0. SCOTLAND, NORTH ..	76	5	81·4	75·4	78·4	+ 0·5	451	+ 69	514	− 23	92	− 8	18·67	471	− 44	2·8	−0·3	24	1013
Eastern.																			
1. SCOTLAND, EAST ...	79	−3	81·6	74·7	78·0	+ 0·1	467	+ 20	617	+ 1	80	− 5	10·11	255	− 25	2·9	−0·7	25	1014
2. ENGLAND, N.E.	83	9	82·4	76·2	79·2	+ 0·6	588	+ 93	394	− 78	74	− 3	8·29	210	− 1	3·2	−0·6	27	1016
3. ENGLAND, EAST ..	81	14	83·0	75·9	79·4	+ 0·5	656	+ 50	411	− 83	69	− 6	8·98	229	+ 23	3·8	−0·2	33	1016
4. MIDLAND COUNTIES ...	84	12	83·6	76·0	79·7	+ 0·8	727	+ 95	402	−120	68	− 6	9·71	246	+ 10	3·2	−0·4	28	1016
5. ENGLAND, S.E.	83	15	83·6	76·6	80·0	+ 0·4	740	+ 69	353	− 26	67	− 6	9·76	248	+ 9	3·9	−0·2	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	82·6	76·1	79·3	+ 0·4	596	+ 82	374	− 42	82	− 8	16·80	427	− 13	3·2	−0·4	28	1015
7. ENGLAND, N.W.	84	12	83·1	76·9	79·9	+ 0·8	682	+140	280	−102	72	− 8	11·36	290	− 15	3·5	−0·2	31	1015
8. ENGLAND, S.W.	82	16	83·5	77·2	80·4	+ 0·6	741	+ 83	256	− 45	71	− 9	12·59	322	− 31	3·9	−0·1	34	1016
9. IRELAND, NORTH ...	74	18	83·2	77·0	80·0	+ 0·6	692	+116	277	− 63	86	−11	12·62	320	− 30	3·3	−0·2	28	1013
10. IRELAND, SOUTH ...	73	19	84·1	77·8	80·9	+ 0·7	846	+121	217	− 43	86	− 1	15 38	389	+ 8	3·6	−0·3	31	1015
11. ENGLISH CHANNEL ...	81	26	84·1	79·0	81·5	+ 0·2	883	+ 57	91	− 14	74	−12	9·13	232	− 61	4·7	−0·1	41	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm	hr.	hr.	°/₀	m

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: May 30th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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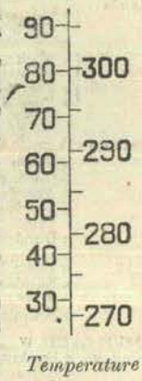
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 22.

THE TWENTY-SECOND WEEK OF 1918.
SUNDAY, MAY 26TH, TO SATURDAY, JUNE 1ST, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the United Kingdom generally during this week was warm, very bright and dry. The maximum temperatures at the beginning of the period were comparatively low, but, increasing day by day, they attained a rather high value at the close, readings above 298 a. being observed on Friday or Saturday, except in Scotland North and the English Channel. The nights were decidedly cool, the mean minima being below those of the preceding week in all Districts. In the Channel Islands temperature did not fall below 281 a., but in other parts the lowest readings were generally between 278 a. and 275 a.; the latter reading occurred at Balmoral, Eskdalemuir, Alnwick, Raunds, and Rhayader. The mean temperature for the week did not, therefore, deviate much from the normal, the difference being between + 1 a. and + 2 a. The range of temperature between the mean of the maxima and the mean of minima was abnormally large, about 15 a. at some inland English stations, and as much as 17 a. at Killarney. Frost on the grass occurred in several inland districts, the lowest value, 269 a., was at Raunds (Northants). Small amounts of rain fell on one or two days in Scotland and the north-east of England, but over Ireland and England generally the week was practically rainless. Bright sunshine was very abundant in all districts, the excess of the daily mean over the normal varying from 3 hrs. in Scotland North, Scotland West, and the Midland Counties to nearly 6 hrs. in Ireland South. At Cahirciveen (Valencia Observatory) the mean daily duration was 14·2 hr., or 212 % of the normal. Amounts of 14½ to 15 hr. were registered at many places on different days, 15·3 hr. at Aberystwyth being the largest estimate. At Aberdeen a solar halo was seen on the 28th May. At Shoeburyness at 13 hr. on May 27th there was unusual visibility—details of objects at 27 miles being very distinct.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	2·3	3	1·2	3	0·5	2	0·4	6	2·0	9	2·2	8	2·9	5	3·2
North	6	2·8	13	1·6	19	3·4	16	2·8	12	2·3	16	3·0	9	1·9	12	2·2
West	23	5·1	24	4·9	3	1·6	1	2·2	15	1·8	1	1·6	9	4·2	6	2·8
East	2	1·4	4	2·6	13	1·5	16	1·6	4	1·9	27	2·6	9	2·4	9	1·0
Calm	0	—	0	—	4	—	9	—	8	—	0	—	10	—	10	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Light	Light	Very light	Nought	Nought	Very light	Light	Very light	Light	Very light	Nought	Very light
	Sunshine ...	Abundant	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 13 weeks from Mar. 3rd, 1918.	Warmth ...	6, 6, 1	5, 3, 5	5, 6, 2	5, 6, 2	5, 7, 1	5, 7, 1	5, 6, 2	6, 6, 1	6, 6, 1	6, 5, 2	7, 4, 2	3, 9, 1
	Rainfall ...	0, 6, 7	3, 4, 6	4, 3, 6	3, 7, 3	4, 4, 5	4, 4, 5	2, 6, 5	1, 7, 5	3, 5, 5	2, 5, 6	2, 5, 6	4, 6, 3
	Sunshine ...	5, 1, 7	2, 6, 5	4, 1, 8	3, 5, 5	4, 2, 7	4, 6, 3	3, 6, 4	3, 8, 2	4, 6, 3	4, 4, 5	6, 2, 5	3, 7, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 9/5° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(17745—19.) Wt. 199—789. 625. 6/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.												Grass Min.		Earth 1 ft.		Earth 4 ft	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.			hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick	54	54	1st	43	27, 1	51·9	44·6	48·0	+ 0·8	2	0·12	3	- 8										
p Deerness	160	62	29, 1	45	29th	58·9	46·3	52·2	—	2	0·16	4	- 7										
a Stornoway	31	69	1st	44	26, 30	60·9	46·9	53·5	+ 3·7	2	0·29	5	- 9	Deerness ..	8·1	+ 2·3	46	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	64	1st	41	29th	56·7	47·9	52·8	—	3	0·21	5	—	Stornoway ..	8·7	+ 2·3	50	•	•	•	•	•	•
							9·3	8						Castlebay ..	7·8	—	46	•	•	•	•	•	•
b, Main- *a* Wick	81	63	29th	39	1st	50·6	43·9	51·3	+ 2·1	2	0·24	6	- 5										
land. *p* Glencarron	500	66	1st	40	26th	60·7	44·9	52·3	+ 1·9	2	0·32	8	- 16	Fort Augustus..	—	—	—	•	•	•	•	•	•
p Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William ..	171	72	1st	41	1st	65·4	46·9	55·6	+ 3·0	3	0·17	4	- 17										
1. SCOTLAND, E.																							
a Nairn	82	72	1st	39	26th	66·3	49	49	34														
p Gordon Castle.. ..	101	70	1st	45	26th	66·4	46·3	55·7	+ 4·2	2	0·16	4	- 7	Nairn	9·6	—	56	•	•	•	•	•	•
a Aberdeen	46	74	29th	42	29th	65·0	47·1	56·2	+ 4·4	2	0·08	2	- 10	Gordon Castle..	9·8	—	57	•	•	•	•	•	•
a Balmoral	930	72	31, 1	35	1st	66·6	46·9	55·4	+ 4·4	1	0·08	2	- 10	Aberdeen ..	9·5	+ 2·8	56	0	35	•	•	49·9	+1·9
p Crieff	432	77	1st	42	28, 1	67·4	44·6	55·3	+ 2·3	2	0·05	1	- 14	Balmoral ..	•	•	•	0	32	•	•	•	•
a Dundee	244	76	1st	42	29th	67·1	45·1	55·4	+ 2·9	0	0·00	0	- 12	Crathes	9·9	+ 3·6	58	0	34	56·9	+4·2	50·7	+2·0
														Dundee	10·2	—	60	0	34	56·9	•	•	•
a Leith	30	77	1st	47	26, 29, 1	67·4	48·3	57·3	+ 4·3	1	0·01	0·2	- 11	Leith	•	•	•	0	41	•	•	•	•
p Edinburgh	441	74	1st	46	26, 27	65·9	48·0	56·4	+ 5·0	0	0·00	0	- 11	Edinburgh ..	9·4	+ 3·0	56	0	40	•	•	•	•
a West Linton	769	73	1st	37	1st	63·4	42·6	52·4	+ 2·9	0	0·00	0	—	West Linton ..	8·1	—	48	0	33	•	•	•	•
p Marchmont	498	77	1st	41	27th	67·0	45·3	55·5	+ 4·3	1	0·05	1	- 13	Marchmont ..	10·9	+ 4·4	65	•	•	•	•	•	•
6. *a*, SCOTLAND, W																							
a Ford (Argyll)	149	70	1st	37	1st	63·3	44·2	53·2	—	1	0·20	5	—										
p Glasgow Observatory	180	73	1st	47	29th	65·4	48·9	56·7	+ 3·6	0	0·00	0	- 15	Ford (Argyll) ..	•	•	•	2	29	57·6	•	51·1	•
p Rothesay	200	71	1st	45	27, 29	64·1	47·6	55·4	+ 2·3	2	0·03	1	- 17	Glasgow.. ..	8·5	+ 2·9	50	0	35	•	•	•	•
a Kilmarnock	90	72	31, 1	42	29th	67·3	46·1	56·1	+ 3·7	1	0·01	0·3	- 14	Rothesay ..	8·1	—	48	0	39	56·0	•	51·5	+1·1
														Kilmarnock ..	8·4	—	50	•	•	56·5	•	51·0	•
a Colmonell	170	74	1st	43	27, 29, 1	67·0	44·7	55·2	+ 3·0	0	0·00	0	- 15										
p Cally Gatehouse ..	120	79	1st	41	29th	68·7	46·1	56·7	+ 4·3	0	0·00	0	- 18	Colmonell ..	•	•	•	0	38	•	•	•	•
p Dumfries	160	75	1st	43	29th	67·6	46·7	56·5	+ 2·8	0	0·00	0	- 14	Dumfries ..	9·4	—	57	0	35	58·4	+2·3	53·5	+0·9
a Eskdalemuir	794	75	1st	34	29th	65·7	40·6	52·4	—	1	0·08	2	—	Eskdalemuir ..	10·8	—	65		?	•	•	•	•
b. I. OF MAN *p* Douglas	277	72	1st	44	1st	65·0	46·9	55·4	+ 2·7	0	0·00	0	- 14	Douglas	10·9	+ 3·3	67	0	?42	•	•	•	•
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	73	1st	35	27th	67·0	44·6	55·1	+ 3·1	1	0·05	1	- 11										
a Tynemouth	71	68	30th	44	27, 28	61·6	48·4	54·6	+ 3·2	1	0·08	2	- 9										
p Durham	336	77	1st	38	27, 29	65·4	44·7	55·8	+ 3·3	2	0·09	2	- 8	Cockle Park ..	10·0	+ 4·0	60	0	31	56·7	+3·1	51·7	+1·9
a North .. *p* Rounton	249	76	31st	42	27, 29	66·3	45·7	56·8	+ 4·7	0	0·00	0	- 12	Durham ..	10·2	+ 4·5	62	0	34	•	•	•	•
a West Witton	605	79	1st	37	27th	70·7	44·9	57·0	—	1	0·01	0	—	Rounton ..	•	•	•	0	35	56·8	•	•	•
p Scarborough	100	68	29th	50	27, 29	64·6	52·3	58·1	+ 5·1	1	0·18	5	- 5	West Witton ..	•	•	•	0	33	58·3	•	49·0	•
p York	56	77	1st	45	29th	71·4	49·6	59·9	+ 5·0	0	0·00	0	- 11	Scarborough† ..	10·1	+ 4·0	62	•	•	•	•	45·0	•
														York	9·6	+ 3·8	59	•	•	58·1	+4·0	52·1	+1·4
b, South .. *a* Spurn Head	26	66	30th	49	29th	59·7	50·9	55·0	+ 1·6	0	0·00	0	- 8	Spurn Head ..	10·9	—	66	•	•	•	•	•	•
a Lincoln	58	77	1st	41	29th	68·7	47·6	57·5	+ 1·9	0	0·00	0	- 11	Lincoln	•	•	•	0	35	56·9	+0·8	52·3	+1·3
a Fulbeck	180	79	1st	38	29th	69·1	46·0	56·9	+ 1·9	0	0·00	0	- 11	Rauceby ..	9·8	+ 3·1	60	•	•	59·6	+1·0	52·2	+0·2
														Skegness ..	11·0	+ 3·9	68	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	70	1st	44	28th	63·1	47·0	54·6	+ 0·6	0	0·00	0·1	- 9	Cromer	10·9	+ 4·0	67	•	•	•	•	•	•
a Little Massingham ..	280	72	31st	41	29th	65·3	45·9	55·0	+ 0·1	0	0·00	0·1	- 11	Lit. Massingham	11·1	+ 4·2	68	•	•	•	•	•	•
a Yarmouth	13	67	30th	45	29th	63·0	48·4	55·3	+ 1·2	0	0·00	0	- 9	Yarmouth ..	12·7	—	79	0	38	57·6	-1·6	52·4	-2·3
a Norwich	93	77	1st	43	28–30	68·0	45·3	56·0	+ 0·7	0	0·00	0	- 10	Norwich ..	11·8	—	73	0	36	59·2	•	•	•
a Geldeston	37	76	1st	37	30th	67·1	42·3	54·0	- 0·7	1	0·01	0·2	- 10	Geldeston ..	11·7	+ 4·3	73	•	•	•	•	•	•
p Cambridge	41	77	1st	42	30th	68·7	46·4	56·9	+ 1·0	0	0·00	0	- 10	Cambridge ..	10·3	+ 3·2	64	0	40	59·4	+1·5	54·1	+0·4
a Clacton-on-Sea ..	54	64	28, 1	43	30th	61·6	47·6	54·2	- 0·6	0	0·00	0	- 8	Clacton	10·7	+ 2·8	66	0	36	57·5	+0·6	54·6	+0·7
a Rothamsted	424	75	1st	42	29, 30	67·3	46·3	56·2	+ 1·3	0	0·00	0	- 11	Rothamsted ..	10·5	+ 3·6	65	0	32	56·8	•	•	•
p Tottenham	51	78	1st	45	30th	69·3	48·6	58·3	—	0	0·00	0	—	Tottenham ..	9·6	—	60	0	43	•	•	51·1	-0·3
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	75	1st	43	28th	68·0	47·7	57·2	+ 4·5	1	0·01	0·2	- 12	Harrogate ..	10·2	+ 3·8	63	0	38	55·8	+3·6	52·5	+2·3
p Sheffield	429	76	1st	46	29th	68·3	50·0	58·6	—	0	0·00	0	—	Sheffield.. ..	7·5	+ 1·7	46	0	36	56·0	+2·4	49·8	+0·9
p Buxton	987	74	1	38	29	63·4	42·1	53·6	—	0	0·00	0	—	Buxton	5·8	—	54	0	35	56·5	+2·9	50·7	+2·5
a Bawtry	65	78	1st	39	29th	69·3	46·1	57·0	+ 2·0	0	0·00	0	- 10	Worksop	8·6	+ 2·8	52	0	33	58·1	•	53·4	•
a Nottingham	82	77	31, 1	39	29th	68·3	46·6	57·3	+ 2·2	0	0·00	0	- 11	Nottingham ..	9·0	+ 2·8	55	0	36	59·4	+2·9	53·5	+2·1
b, East .. *p* Birmingham, Edgbn.	536	76	1st	40	29th	68·4	49·7	58·5	+ 3·5	0	0·00	0	- 12	Birmingham ..	7·9	+ 2·7	49	0	32	53·2	+1·5	48·9	+0·6
a Raunds	203	78	1st	35	29th	69·3	44·7	56·3	+ 0·9	0	0·00	0	- 11	Raunds	9·7	—	60	1	25	58·1	•	50·9	•
p Oxford	208	78	1st	43	29th	69·6	47·6	57·9	+ 1·9	0	0·00	0	- 11	Oxford	10·5	+ 3·8	65	0	32	•	•	•	•
a Cheadle (N. Staffs.) ..	646	76	1st	44	29th	67·9	48·1	57·4	+ 3·8	0	0·00	0	- 13	Cheadle	•	•	•	0	38	•	•	•	•
c, West .. *p* Shrewsbury	191	76	31st	40	27th	69·7	43·6	55·9	+ 1·0	1	0·01	0·2	- 10	Shrewsbury ..	•	•	•	0	33	•	•	•	•
a Hereford	291	77	1st	41	29th	69·9	46·0	57·2	+ 1·8	0	0·00	0	- 11	Malvern	10·3	—	64	0	41	59·1	•	54·6	•
a Clifton	229	80	1st	47	27th	72·0	51·1	60·9	+ 3·7	0	0·00	0	- 15	Clifton	11·3	—	71	0	46	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	79	1st	37	29, 30	69·4	41·6	54·7	+ 0·4	0	0·00	0	- 12	Worthing	11·2	+ 3·2	70	0	40	60·2	+0·9	54·9	+0·8
p Salisbury (Wilton) ..	180	81	1st	41	30th	72·8	45·7	58·4	+ 2·4	0	0·00	0	- 12	Marlborough ..	?	—	—	0	33	•	•	52·3	•
a Wisley, Surrey ..	160	79	1st	39	30th	70·1	44·3	56·4	+ 0·7	0	0·00	0	- 9	Salisbury	•	•	•	0	38	62·4	•	•	•
a Tunbridge Wells ..	354	75	1st	39	30th	68·6	44·4	55·8	+ 0·4	1	0·01	0	- 11	Wisley	10·5	+ 3·4	66	1	28	57·4	-0·1	52·8	-0·5
a Margate	51	70	1st	46	30, 31	61·1	49·7	55·1	- 0·7	0	0·00	0	- 9	Tunbridge Wells	10·0	+ 2·7	63	1	28	58·1	-1·5	53·7	•
														Margate	10·9	+ 4·0	68	0	37	60·0	+2·9	55·7	+2·6
a Dungeness	21	65	1st	39	30th	61·7	45·6	53·2	- 2·0	1	0·01	0·2	- 8	Folkestone ..	11·4	—	71	•	•	•	•	51·0	•
p St. Leonards	178	68	31st	45	30th	65·0	49·6	56·8	+ 1·1	1	0·03	1	- 8	St. Leonards ..	11·8	+ 3·9	75	0	38	60·3	•	54·5	•
p Southampton	64	78	1st	45	30th	71·0	49·1	59·4	+ 1·9	0	0·00	0	- 11	Southampton ..	11·9	+ 4·5	74	0	36	•	•	•	•
a Ventnor	59	69	1st	47	30th	66·6	50·7	58·2	+ 1·7	1	0·03	1	- 9	Ventnor	10·9	+ 3·3	69	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	77	1st	43	30th	68·7	48·0	57·7	+ 1·7	0	0·00	0	- 11	Richmond ..	10·5	+ 3·7	66	0	32	58·8	+1·6	53·1	+0·5
a Westminster	27	78	1st	43	30th	70·0	49·0	58·9	+ 1·6	0	0·00	0	- 10	Westminster ..	9·2	+ 3·2	58	0	39	•	•	•	•
ag Greenwich	149	78	1st	40	30th	70·0	46·0	57·3	+ 1·7	1	0·01	0	- 11	Greenwich ..	9·2	+ 2·9	58	1	28	•	•	•	•
a Hampstead	450	76	1st	44	29th	67·6	48·4	57·4	—	0	0·00	0	—	Hampstead ..	10·6	—	66	0	37	•	•	•	•
ag Camden Square ..	110	82	1st	45	30th	74·3	49·3	61·1	+ 2·8	1	0·01	0	- 11	Camden Square	8·2	+ 2·1	51	0	39	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	70	1st	44	29th	64·1	46·9	55·0	+ 1·9	0	0·00	0	- 15	Aspatria.. ..	10·9	+ 4·1	66	0	42	55·8	+0·7	50·5	+0·7
p Newton Rigg	550	76	1st	39	27, 29	68·3	45·1	56·0	+ 3·3	0	0·00	0	- 14	Newton Rigg ..	11·7	+ 4·8	70	0	34	57·4	+2·9	50·6	+1·0
p Stonyhurst	275	75	1st	43	27th	66·0	40·1	56·5	+ 2·9	0	0·00	0	- 18	Stonyhurst ..	10·5	+ 4·1	64	0	36	•	•	•	•
p Blackpool	60	68	1st	45	28th	63·9	47·9	55·4	+ 1·6	0	0·00	0	- 13	Blackpool ..	10·7	+ 3·0	65	0	35	57·0	•	50·6	•
a Southport	37	67	1st	43	27th	62·4	47·7	54·6	+ 0·4	0	0·00	0	- 13	Southport ..	11·5	+ 4·0	70	0	36	60·1	+2·1	55·7	+1·5
														Hoylake	10·5	+ 3·6	64	•	•	•	•	•	•
a Liverpool (Eidston) ..	188	67	1st	48	27th	62·7	50·6	56·3	+ 1·5	0	0·00	0	- 12	Liverpool ..	11·5	—	71	0	40	•	•	•	•
a Hawarden Bridge	22	78	1st	45	28th	66·3	49·0	57·1	+ 1·8	0	0·00	0	- 11	Manchester (City)	7·9	+ 2·2	48	0	41	58·4	+2·9	54·5	+2·6
p Manchester (Whit. Pk.)	120	77	1st	44	27th	69·1	47·7	57·8	+ 2·1	1	0·06	2	- 12	Whitworth Park	7·2	+ 1·7	44	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	71	1st	44	29th	63·6	47·3	55·0	+ 0·2	0	0·00	0	- 12	Llandudno ..	11·8	+ 4·3	72	•	•	•	•	•	•
a Holyhead	4	65	1st	46	29th	62·0	49·3	55·3	+ 1·7	0	0·00	0·1	- 12	Holyhead ..	11·4	—	70	0	37	•	•	•	•
a Beddgelert	309	76	1st	40	29th	67·0	46·0	55·9	—	0	0·00	0	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	69	1st	44	29th	62·0	48·4	54·8	—	1	0·02	1	—	Aberystwyth ..	12·0	+ 5·4	75	•	•	•	•	•	•
a Rhayader	757	74	31, 1	36	29th	66·7	42·0	53·6	—	1	0·02	0·4	—	Rhayader ..	11·0	—	68	3	28	•	•	•	•
a St. Ann's Head ..	149	72	31, 1	47	26, 29	64·4	50·0	56·8	+ 3·3	0	0·00	0	— 10	Pembroke ..	12·7	+ 5·3	79	•	•	•	•	•	•
p Cardiff	202	77	1st	47	29th	69·4	50·3	59·8	+ 4·1	0	0·00	0	— 12	Cardiff	11·7	—	73	0	39	59·8	+2·0	53·3	+0·5
b. ENGLAND, S.W.																						
a Bath	66	79	1st	42	27, 30	71·0	47·0	58·3	+ 2·6	0	0·00	0	— 10	Bath	•	•	•	•	•	60·2	+2,0	55·5	+1·4
a Shaftesbury	722	77	1st	45	27th	68·7	50·7	59·2	+ 5·0	0	0·00	0	— 11	Shaftesbury ..	•	•	•	•	•	60·4	•	54·4	•
a Arlington	613	74	31st	45	27, 29, 30	67·6	47·8	57·1	+ 3·5	0	0·00	0	— 15										
a Hartland Quay ..	100	74	31st	50	27, 29	63·7	52·1	57·6	—	0	0·00	0	—										
a Newquay	190	70	31, 1	41	30th	63·0	46·1	54·0	— 0·8	0	0·00	0·1	— 9	Newquay ..	11·3	+ 3·9	71	?	?	59·5	•	54·3	•
a Cullompton	202	82	1st	40	30th	72·7	45·4	58·2	+ 2·7	0	0·00	0	— 11	Cullompton ..	12·2	+ 5·6	77	0	36	60·6	•	•	•
a Portland Bill	19	68	28th	47	28th	64·7	51·3	57·8	+ 2·9	1	0·08	2	— 5	Weymouth ..	11·6	—	73	•	•	•	•	•	•
p Plymouth	116	72	1st	45	30th	68·0	50·9	58·9	+ 2·9	0	0·00	0	— 10	Plymouth ..	11·8	+ 4·5	74	0	37	61·3	+2·9	54·7	•
a Falmouth	167	70	1st	48	29, 30	65·6	50·0	57·3	+ 2·2	0	0·00	0	— 11	Falmouth ..	11·5	+ 3·8	72	0	39	61·0	•	56·8	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	73	1st	46	26th	60·9	49·1	54·7	+ 2·7	1	0·01	0·3	— 12	Malin Head ..	11·7	+ 5·6	70	•	•	•	•	53·4	+1·0
West .. *a* Blacksod Point ..	327	70	1st	45	26th	61·9	49·4	55·3	+ 2·0	1	0·04	1	— 15	Markree Castle	11·1	—	68	0	33	59·8	+•	•	•
West .. *p* Markree Castle ..	122	78	1st	38	29th	68·7	43·3	55·2	+ 2·6	1	0·02	1	— 16										
b. East .. *p* Armagh	196	78	1st	40	26th	68·9	45·9	56·7	+ 3·6	0	0·00	0·1	— 14	Armagh	10·6	+ 4·5	65	1	28	56·4	+0·6	51·8	+0·1
b. East .. *a* Donaghadee ..	101	79	29th	45	27th	62·3	48·3	54·9	+ 2·4	1	0·04	1	— 12										
10. IRELAND, S.																						
p Dublin, City	47	72	1st	44	26th	66·1	48·9	57·0	+ 1·8	0	0·00	0	— 12	Trinity Coll. ..	•	•	•	0	36	52·0	+1·0	52·2	+0·9
a Birr Castle	175	78	1st	39	26th	70·6	45·0	57·0	+ 3·3	0	0·00	0	— 13	Phœnix Park ..	10·3	+ 3·6	63	1	29	•	•	•	•
a Kilkenny	212	76	1st	40	26th	69·7	43·6	55·9	+ 1·8	0	0·00	0	— 13	Dublin City ..	•	•	•	0	39	•	•	•	•
a Waterford	20	79	1st	43	26, 29	70·3	46·0	57·4	+ 2·6	0	0·00	0	— 14	Birr Castle ..	11·8	+ 5·9	72	0	31	•	•	•	•
p Seskin, Carrick-on-Suir	541	75	1st	42	26th	68·6	46·7	57·0	—	0	0·00	0	—	Seskin	12·1	—	75	0	34	•	•	•	•
a Cahir	198	78	1st	41	29th	70·1	43·4	56·0	+ 1·9	0	0·00	0	—										
a Foynes	50	75	1st	44	26th	68·9	46·7	57·1	+ 2·5	0	0·00	0	— 14										
a Cahirciveen (Val. Obs.)	30	73	1st	42	30th	64·9	45·3	54·5	+ 0·1	0	0·00	0	— 18	Cahirciveen ..	14·2	+ 7·5	88	0	38	•	•	•	•
a Killarney	174	84	1st	40	26th	74·8	44·7	58·9	+ 4·4	0	0·00	0	— 17	Ballinacurra ..	—	—	—	•	•	•	•	•	•
a Roche's Point	32	67	31st	46	26, 29, 30	63·6	47·7	55·2	+ 0·9	4	0·04	1	— 14										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	68	1st	49	26th	63·3	50·7	56·6	+ 1·5	0	0·00	0	— 11	Scilly	11·7	+ 3·9	74	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	72	1st	49	28th	66·3	51·1	58·2	+ 1·5	0	0·00	0	— 13	St. Heliers ..	11·6	+ 3·5	74	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	68	28, 1	47	30th	65·3	49·9	57·1	+ 0·6	1	0·03	1	— 11	Guernsey† ..	12·2	+ 3·8	78	0	40	60·7	+1·6	56·7	+1·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 1st, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d. h.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	29	1	71	93	3	0	247	12	29	14	—	— —	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	—	87	81	0	315	5	28	8	12	26	8 55
Aberdeen	153	105	52	—	—	—	—	11	95	62	0	315	7	28	8	12	26	7 0
Edinburgh	485	39	31	—	—	—	—	51	115	2	0	270	9	29	11	14	29	10 5
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	—	—	23	88	57	0	225	10	29	15	15	29	14 30
Paisley	188	81	15	—	—	—	—	1	98	61	8	281	6	30	12	13	27	17 20
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	—	56	101	11	236	5	29	17	11	29	16 0
South Shields	72	61	12	—	—	—	—	4	89	75	0	315	6	29	18	11	29	17 35
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	— —	—
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	11	121	36	0	11	7	26	12	—	— —	—
Gorleston	52	42	‡	—	—	—	—	73	53	42	0	360	11	28	15	14	28	14 45
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	— —	—
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	4	97	67	0	360	6	28	9	11	26	16 40
5. ENGLAND, S.E.																		
Warlingham	642	33	‡	—	—	—	—	—	139	29	0	—	5	28	17	9	27	9 20
Brighton	201	53	6	—	—	—	—	20	105	43	0	—	8	29	7	12	29	6 50
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	11	81	47	29	337	7	28	15	11	28	14 40
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	—	100	68	0	11	5	28	16	10	27	11 15
S. Kensington	123	92	30	—	—	—	—	—	116	52	0	67	4	31	18	8	28	15 40
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	1	44	123	0	270	6	28	14	11	28	14 10
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	24	60	34	50	326	10	28	4	—	— —	—
Southport	80	62	48	—	—	—	—	39	106	23	0	326	11	28	3	13	28	2 50
Holyhead	60	40	‡	—	—	—	—	10	96	62	0	23	7	26	16	9	26	4 0
8. ENGLAND, S.W.																		
Pendennis Castle§	256	65	24	—	—	—	—	12	56	100	0	360	7	26	9	12	26	9 50
Plymouth	185	88	2	—	—	—	—	11	57	100	0	—	6	29	13	9	29	12 20
Lyme Regis	556	61	‡	—	—	—	—	1	41	126	0	—	5	26	14	9	26	13 45
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	19	90	59	0	270	9	26	4	—	— —	—
Quilty	100	40	‡	—	—	—	—	11	79	78	0	—	7	27	22	11	27	22 25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	19	72	77	0	326	7	26	14	10	27	19 40
Weaver Pt.	180	30	‡	—	—	—	—	5	44	119	0	—	6	26	10	11	26	9 30
11. ENGLISH CHANNEL																		
Scilly ..	150	32	‡	—	—	—	—	8	68	92	0	45	7	26	5	11	26	4 20

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SECOND WEEK of 1918—May 26th to June 1st, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	39	88·4	80·4	84·2	+ 0·9	71	+ 11	0	− 1	2	− 2	0·21	5	− 10	8·4	+2·9	49	1027
Eastern.																			
1. SCOTLAND, EAST ...	77	35	92·0	80·4	85·9	+ 2·0	92	+ 25	0	− 1	1	− 2	0·06	1	− 12	9·9	+3·5	58	1028
2. ENGLAND, N.E.	79	35	92·2	81·8	86·7	+ 2·0	102	+ 24	0	0	1	− 2	0·04	1	− 10	10·1	+3·8	62	1030
3. ENGLAND, EAST ...	78	37	91·8	81·0	86·1	+ 0·3	95	+ 3	0	0	0	− 3	0·00	0	− 10	10·9	+3·8	68	1029
4. MIDLAND COUNTIES ...	80	35	93·7	81·4	87·2	+ 1·6	109	+ 19	0	0	0	− 3	0·00	0	− 12	9·3	+3·0	57	1029
5. ENGLAND, S.E.	81	37	92·7	81·3	86·7	+ 0·5	102	+ 5	0	0	1	− 2	0·01	0	− 10	11·0	+3·6	69	1029
Western.																			
6. SCOTLAND, WEST ...	79	37	91·9	81·0	86·2	+ 1·6	96	+ 20	0	0	1	− 3	0·03	1	− 16	9·7	+3·1	58	1030
7. ENGLAND, N.W.	78	39	91·3	81·9	86·3	+ 1·1	98	+ 15	0	0	1	− 2	0·01	0	− 14	11·1	+4·4	68	1030
8. ENGLAND, S.W.	82	36	92·9	82·2	87·2	+ 1·5	109	+ 19	0	0	1	− 2	0·01	0	− 11	11·8	+4·9	74	1030
9. IRELAND, NORTH ...	78	38	91·7	81·2	86·1	+ 1·5	95	+ 18	0	0	1	− 3	0·02	1	− 14	10·9	+4·7	66	1030
10. IRELAND, SOUTH ...	84	39	93·4	80·7	86·7	+ 1·3	102	+ 15	0	0	0	− 3	0·00	0	− 15	12·1	+5·6	75	1031
11. ENGLISH CHANNEL ...	72	47	91·3	83·3	87·1	+ 0·8	107	+ 10	0	0	1	− 2	0·01	0	− 12	11·8	+3·7	75	1029

THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, March 3rd to June 1st, 1918

0. SCOTLAND, NORTH ...	76	20	83·5	76·9	80·6	+ 0·6	428	+ 45	176	− 42	42	−16	5·54	138	−117	4·3	−0·1	31	1017
Eastern.																			
1. SCOTLAND, EAST ...	79	9	84·1	76·0	79·9	+ 0·2	473	+ 22	261	+ 18	41	−11	4·41	110	− 56	4·3	−0·6	30	1017
2. ENGLAND, N.E.	83	24	84·8	77·6	81·0	+ 0·6	580	+ 89	132	− 35	40	− 6	4·50	115	− 18	4·5	−0·7	32	1017
3. ENGLAND, EAST ...	81	22	85·6	77·3	81·3	+ 0·2	629	+ 22	141	− 26	36	− 7	5·45	139	+ 12	5·2	−0·3	38	1016
4. MIDLAND COUNTIES ...	84	22	86·5	77·2	81·6	+ 0·6	698	+ 77	151	− 35	35	− 7	5·55	140	− 2	4·6	−0·3	33	1016
5. ENGLAND, S.E.	83	24	86·4	77·9	81·9	+ 0·2	706	+ 55	119	0	36	− 6	5·10	130	− 5	5·5	−0·1	40	1016
Western.																			
6. SCOTLAND WEST ...	80	23	85·2	77·1	81·0	+ 0·5	577	+ 73	155	− 2	36	−16	5·77	147	− 85	5·0	−0·1	36	1017
7. ENGLAND, N.W.	84	26	85·4	77·8	81·4	+ 0·5	619	+ 86	117	− 15	35	−11	5·02	128	− 43	5·4	+0·2	39	1016
8. ENGLAND, S.W.	82	23	86·0	78·2	82·0	+ 0·4	662	+ 58	96	− 4	36	− 9	5·48	140	− 47	5·8	+0·3	43	1016
9. IRELAND, NORTH ...	78	23	85·3	77·8	81·4	+ 0·5	609	+ 80	108	− 17	40	−17	5·06	129	− 64	5·3	+0·5	38	1016
10. IRELAND, SOUTH ...	84	23	86·4	78·4	82·2	+ 0·5	706	+ 76	78	− 14	41	− 8	6·43	161	− 43	5·8	+0·4	42	1016
11. ENGLISH CHANNEL ...	81	31	86·2	80·0	82·9	+ 0·2	748	+ 42	19	− 8	38	− 9	5·25	134	− 21	6·6	+0·2	49	1016

THE YEAR 1918.—Aggregates, &c., for the Period of 22 Weeks, December 30th, 1917, to June 1st, 1918.

0. SCOTLAND, NORTH ...	76	5	81·7	75·6	78·6	+ 0·4	522	+ 80	514	− 24	94	−10	18·88	476	− 54	3·0	−0·2	26	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−3	82·1	74·9	78·4	+ 0·2	559	+ 45	617	0	81	− 7	10·17	256	− 37	3·2	−0·5	27	1015
2. ENGLAND, N.E.	83	9	82·8	76·4	79·5	+ 0·6	690	+117	394	− 78	75	− 5	8·33	211	− 11	3·5	−0·5	30	1016
3. ENGLAND, EAST ...	81	14	83·4	76·1	79·7	+ 0·5	751	+ 53	411	− 83	69	− 9	8·98	229	+ 13	4·1	−0·1	35	1017
4. MIDLAND COUNTIES ...	84	12	84·0	76·2	80·0	+ 0·8	836	+114	402	−120	68	− 9	9·71	246	− 2	3·5	−0·2	29	1017
5. ENGLAND, S.E.	83	15	84·0	76·8	80·3	+ 0·4	842	+ 74	353	− 26	68	− 8	9·77	248	− 1	4·2	0·0	36	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	83·0	76·4	79·6	+ 0·5	692	+102	374	− 42	83	−11	16·83	428	− 29	3·5	−0·2	30	1016
7. ENGLAND, N.W.	84	12	83·5	77·1	80·2	+ 0·8	780	+155	280	−102	73	−10	11·37	290	− 29	3·9	+0·1	33	1016
8. ENGLAND, S.W.	82	16	83·9	77·4	80·8	+ 0·7	850	+102	256	− 45	72	−11	12·60	322	− 42	4·3	+0·2	36	1017
9. IRELAND, NORTH ...	78	18	83·6	77·2	80·3	+ 0·6	787	+134	277	− 63	87	−14	12·64	321	− 44	3·6	0·0	31	1014
10. IRELAND, SOUTH ...	84	19	84·5	77·9	81·1	+ 0·6	948	+136	217	− 43	86	− 4	15·38	389	− 7	4·0	0·0	34	1016
11. ENGLISH CHANNEL ...	81	26	84·5	79·2	81·8	+ 0·3	990	+ 67	91	− 14	75	−14	9·14	232	− 73	5·1	+0·2	43	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 6th, 1918.

EXAMINED BY A.E.P
AUTHORITY FOR ISSUE
ISSUED ON 14.6.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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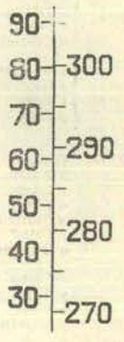
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 23.

THE TWENTY-THIRD WEEK OF 1918.
SUNDAY, JUNE 2ND, TO SATURDAY, JUNE 8TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the greater part of the week was fine and bright, but towards its close showery conditions prevailed in most parts of the Kingdom. The maximum temperature mostly occurred at the beginning of the week; readings of 300 a. were reported at a number of stations, the highest being 302 a. at Killarney. On the other hand, the nights being clear, the minimum temperatures were generally low for the time of year and ground frosts were common. The lowest temperatures in the shade were 271 a. at Ford (Argyll), 274 a. at Balmoral and Geldeston (near Beccles), and 275 a. at Marlborough. The mean temperature for the week was above the normal in all Districts excepting England East and South-East, the deviation varying from + 2·6 a. in Ireland North to — 0·7 a. in England East. Rainfall was below the normal in all districts with the exception of Scotland North and West, and England North-West. There was a heavy fall of rain at Hawarden Bridge at the mouth of the Dee on the 6th; between 13h. 30m. and 15hr. the rainfall amounted to 30mm. Bright sunshine was abundant in all districts and amounts of over 14 hours were registered at several places on different days; 15·7 hrs. at Gordon Castle on the 4th., 15·5 hrs. at Yarmouth on the 6th., 15·4 hrs. at Cromer on the 6th., 15·1 hrs. at St. Leonards on the 6th. Solar halos were observed at Aberdeen on the 3rd, Edgbaston on the 8th and at Oxford on the 3rd, 7th and 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	4·0	6	3·2	7	2·1	5	2·0	11	4·2	13	2·7	10	3·0	12	4·1
North	6	3·1	11	2·2	15	3·7	13	1·9	10	2·2	10	1·6	5	1·9	4	1·2
West	12	6·1	13	5·0	5	2·5	7	1·5	21	2·4	5	2·5	8	4·8	6	3·2
East	15	3·1	6	2·4	12	3·4	11	2·0	1	1·3	16	2·6	8	2·6	9	1·3
Calm	0	—	9	—	4	—	10	—	6	—	0	—	10	—	10	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Moderate	Light	Light	Very light	Very light	Very light	Moderate	Moderate	Light	Moderate	Moderate	Very light
	Sunshine ...	Abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Abundant	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 1 week from June 2nd, 1918.	Warmth ...	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
	Rainfall ...	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1
	Sunshine ...	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(17850—19.) Wt. 199—789. 450 6/18. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands.. a Lerwick..	54	55	7th	42	4th	51·7	44·3	47·7	− 0·2	5	0·44	11	+ 3
p Deerness	160	57	6, 8	44	2-4	54·9	45·4	49·8	—	2	0·59	15	+ 7
a Stornoway	51	73	5th	43	3rd	62·3	47·6	54·4	+ 3·8	3	1·06	27	+ 16
a Castlebay, Barra Isd.	37	65	3rd	49	8th	58·9	52·3	55·4	—	3	0·39	10	—
b, Mainland. a Wick	81	61	6th	40	8th	55·4	45·6	50·2	+ 0·2	3	0·28	7	− 1
p Glencarron	500	75	4th	41	3rd	66·3	44·1	54·4	+ 3·0	3	0·85	22	+ 3
p Fort Augustus..	68	—	—	—	—	—	—	—	—	1	0·61	16	+ 6
p Fort William ..	171	76	3rd	44	3rd	70·0	46·6	57·5	+ 3·9	3	0·59	15	− 1
1. SCOTLAND, E.													
a Nairn	82	78	6th	42	5th	63·3	45·7	53·9	+ 1·6	3	0·12	3	− 5
p Gordon Castle ..	101	80	6th	40	3, 4	68·4	43·9	55·3	+ 2·6	1	0·05	1	− 8
a Aberdeen	46	67	2nd	40	4th	60·6	46·4	53·0	+ 1·2	3	0·31	8	0
a Balmoral	930	72	6th	34	4th	66·6	38·9	51·8	+ 1·2	1	0·09	2	− 7
p Crieff	432	75	2nd	40	5th	66·9	43·4	54·3	+ 0·4	2	0·25	6	− 5
a Dundee ..	244	74	2, 6	40	5, 8	65·7	44·1	54·2	+ 0·8	2	0·06	2	− 6
a Leith	30	76	6th	46	4th	65·0	49·4	56·7	+ 2·8	1	0·04	1	− 7
p Edinburgh	441	75	6th	42	4th	64·4	47·7	55·5	+ 3·3	2	0·05	1	− 7
a West Linton	769	71	2, 6	38	4th	65·4	41·6	52·7	+ 2·2	1	0·24	6	—
p Marchmont	498	76	2nd	38	4th	66·9	43·9	51·6	+ 2·6	1	0·06	2	− 8
6. a, SCOTLAND, W.													
a Ford (Argyll) ..	149	74	5th	28	8th	67·5	34·3	49·7	—	3	0·88	22	—
p Glasgow Observatory	180	73	5th	47	4, 5, 8	68·6	49·1	58·2	+ 3·8	2	0·25	6	− 5
p Rothesay	200	71	2, 5	46	8th	63·0	49·9	57·4	+ 3·1	3	0·70	18	+ 5
a Kilmarnock	90	77	6th	43	3rd	71·6	45·6	57·7	+ 4·1	2	0·47	12	+ 2
a Colmonell	170	76	5th	43	8th	68·3	46·4	56·6	—	2	0·81	21	—
p Cally, Gatehouse	120	80	2nd	40	8th	68·1	45·3	55·9	+ 2·3	2	0·62	16	+ 3
p Dumfries	160	75	2, 3	43	4, 8	68·7	47·0	57·1	+ 2·0	2	0·40	10	0
a Eskdalemuir ..	794	74	2nd	36	4th	65·6	41·0	52·4	—	1	0·47	12	—
b, I. OF MAN p Douglas ..	277	75	2nd	44	8th	65·4	50·3	57·3	+ 3·4	—	—	—	—
2. ENGLAND, N.E.													
a North .. a Alnwick Castle	210	71	6th	37	5th	65·1	44·1	53·9	+ 1·4	2	0·14	4	− 8
a Tynemouth	71	69	2nd	45	5, 8	62·4	49·0	55·2	+ 2·9	2	0·29	7	− 4
p Durham ..	336	79	2nd	39	5th	67·0	44·9	55·2	+ 2·0	1	0·17	4	− 6
p Rounton ..	249	75	2nd	37	5th	66·6	44·6	54·8	+ 2·0	1	0·22	6	− 7
a West Witton	605	77	2, 6	39	4th	68·3	45·4	56·1	—	1	0·03	1	—
p Scarborough	100	70	3rd	49	5th	64·9	52·3	58·2	+ 4·6	4	0·16	4	− 6
p York	56	80	2nd	44	5, 8	68·3	47·9	57·4	+ 1·9	1	0·23	6	− 5
b, South .. a Spurn Head	26	69	2nd	49	5, 8	60·4	50·6	55·2	+ 1·3	1	0·12	3	− 5
a Lincoln ..	58	79	2nd	43	5th	68·6	45·4	56·2	0·0	2	0·07	2	− 9
a Fulbeck ..	180	80	2nd	39	4th	67·9	44·6	55·4	− 0·2	2	0·07	2	− 9
3. ENGLAND, E.													
p Cromer ..	196	73	2nd	45	6, 7	65·1	47·7	55·8	+ 1·2	1	0·01	0·3	− 12
a Little Massingham ..	280	73	2nd	41	6th	65·3	44·3	54·1	− 1·6	1	0·06	1	− 14
a Yarmouth	13	78	2nd	40	6th	63·6	45·6	54·0	− 0·9	0	0·00	0	− 12
a Norwich	93	77	2nd	38	6th	66·4	45·0	55·0	− 1·0	1	0·01	0	− 13
a Geldeston	37	79	2nd	34	6th	66·6	41·6	53·2	− 2·2	0	0·00	0	− 12
p Cambridge	41	79	2nd	38	8th	67·9	42·1	54·1	− 2·5	0	0·00	0	− 14
a Clacton-on-Sea	54	67	2nd	44	4th	62·6	47·9	54·7	− 0·9	0	0·00	0	− 10
a Rothamsted	424	75	2nd	40	6th	65·7	44·4	54·3	− 1·2	1	0·01	0	− 15
p Tottenham	51	78	2nd	43	6th	67·9	48·1	57·3	—	0	0·00	0	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	77	2nd	39	4th	66·3	44·9	54·9	+ 1·0	1	0·15	4	− 11
p Sheffield ..	429	—	—	—	—	—	—	—	—	—	—	—	—
p Buxton ..	987	—	—	—	—	—	—	—	—	—	—	—	—
b, East a Bawtry ..	65	78	2nd	37	5th	66·7	44·4	54·8	− 1·3	1	0·07	2	− 10
a Nottingham	82	79	2nd	38	5th	68·3	44·6	55·6	− 0·6	2	0·08	2	− 10
p Birmingham, Edgbsn.	535	78	2nd	45	5, 8	67·7	48·9	57·7	+ 1·7	2	0·15	4	− 10
a Raunds ..	203	80	2nd	35	5th	68·1	41·3	53·8	− 2·7	2	0·06	2	− 10
p Oxford ..	208	79	2nd	42	5th	68·0	47·7	57·1	+ 0·1	2	0·02	1	− 13
c, West .. a Cheadle (N. Staffs.) ..	646	78	2nd	41	4th	67·6	47·3	56·7	+ 2·1	1	0·19	5	− 11
p Shrewsbury	191	80	2nd	40	8th	71·6	44·6	57·2	+ 1·2	2	0·18	5	− 7
a Hereford	291	79	2nd	39	5th	70·7	45·0	57·0	+ 0·5	1	0·06	2	− 11
a Clifton ..	229	81	2nd	48	5, 8	71·3	52·0	61·0	+ 2·8	0	0·00	0	− 18
5. ENGLAND, S.E.													
a Marlborough ..	424	79	2nd	35	5th	68·7	42·1	54·5	− 0·8	2	0·02	0·4	− 17
p Salisbury (Wilton) ..	180	82	2nd	42	5th	72·1	44·8	57·5	+ 0·5	0	0·00	0	− 17
a Wisley, Surrey	150	78	2nd	38	6th	69·3	43·1	55·3	− 1·4	0	0·00	0	− 13
a Tunbridge Wells	354	76	2nd	39	6th	67·3	44·7	55·2	− 1·3	1	0·01	0	− 15
a Margate ..	51	71	2nd	50	2, 6	64·1	51·3	57·3	+ 0·5	0	0·00	0	− 13
a Dungeness	21	64	8th	42	4th	62·1	45·3	53·1	− 3·0	1	0·00	0·1	− 11
p St. Leonards	178	67	2nd	46	4, 5	63·6	48·9	55·7	− 0·9	1	0·02	0·4	− 13
p Southampton ..	64	80	2nd	48	5, 6	69·7	50·1	59·2	+ 0·8	0	0·00	0·1	− 15
a Ventnor ..	59	68	2nd	49	6th	65·3	52·4	58·4	+ 1·0	0	0·00	0	− 14
LONDON. p Richmond (Kew Obs.)	18	78	2nd	42	6th	68·3	47·3	57·1	− 0·6	1	0·02	0·4	− 16
a Westminster	27	79	2nd	47	6th	69·5	50·2	59·1	+ 0·8	0	0·00	0	− 14
ag Greenwich	149	80	2nd	38	6th	70·0	45·3	56·8	− 0·3	0	0·00	0	− 11
a Hampstead	450	77	2nd	43	4th	67·6	47·4	56·8	—	0	0·00	0	—
ag Camden Square	110	83	2nd	43	6th	72·9	48·3	59·7	+ 0·3	1	0·01	0	− 15
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	72	2, 6	39	4th	66·0	46·9	55·8	+ 1·5	3	0·56	14	+ 3
p Newton Rigg ..	559	75	2, 5	40	4th	70·1	45·0	56·7	+ 2·8	2	0·13	3	− 7
p Stonyhurst	375	72	2, 6	43	4th	66·6	47·1	56·2	+ 1·5	3	0·36	9	− 4
p Blackpool	66	71	3rd	45	4th	66·0	47·3	56·0	+ 1·1	2	0·68	17	+ 8
a Southport	37	70	3rd	44	4th	65·7	48·3	56·4	+ 1·1	2	0·56	14	+ 5
a Liverpool (Bidston) ..	188	75	6th	48	4th	66·4	51·9	58·7	+ 2·8	2	0·35	9	0
a Hawarden Bridge ..	22	77	2nd	46	2nd	69·6	48·9	58·5	+ 2·0	1	1·46	37	+ 29
p Manchester (Whit. Pk.)	125	77	2nd	45	4, 8	70·3	48·4	58·6	+ 1·8	2	0·31	8	− 3
b. NORTH WALES.													
p Llandudno	16	70	3rd	47	5, 8	66·3	49·9	57·5	+ 1·6	2	0·17	4	− 5
a Holyhead	15	67	2-4	48	5th	64·7	51·1	57·4	+ 2·9	2	0·55	14	+ 5
a Beddgelert	309	77	2nd	42	8th	68·0	47·3	56·9	—	2	0·91	23	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	7·1	+ 1·2	40	•	•	•	•	•	•
Stornoway ..	8·8	+ 2·3	50	•	•	•	•	•	•
Castlebay ..	10·2	—	59	•	•	•	•	•	•
Fort Augustus ..	—	—	—	•	•	•	•	•	•
Nairn ..	10·0	—	58	•	•	•	•	•	•
Gordon Castle ..	11·4	—	66	•	•	•	•	•	•
Aberdeen ..	10·2	+ 3·9	59	0	34	•	•	51·6	+2·6
Balmoral ..	•	•	•	0	33	•	•	•	•
Crathes ..	10·2	+ 4·2	59	2	30	58·3	+4·3	52·4	+2·6
Dundee ..	10·4	—	61	0	32	58·3	•	•	•
Leith ..	•	•	•	0	40	•	•	•	•
Edinburgh ..	10·9?	+ 4·7	64	0	35	•	•	•	•
West Linton ..	10·6	—	62	0	34	•	•	•	•
Marchmont ..	11·0	+ 4·8	65	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	0	33	60·4	•	52·3	•
Glasgow ..	11·3	+ 5·6	67	0	39	•	•	•	•
Rothesay ..	11·1	—	65	0	42	59·0	•	53·1	+1·7
Kilmarnock ..	10·4	—	61	•	•	59·5	•	52·5	•
Colmonell ..	•	•	•	0	38	•	•	•	•
Dumfries ..	11·4	—	68	0	35	61·0	+3·3	55·4	+1·6
Eskdalemuir ..	10·0	—	59	1	30	•	•	•	•
Douglas ..	9·0	+ 1·3	54	0	41	•	•	•	•
Cockle Park ..	10·4	+ 4·6	62	0	32	59·2	+1·2	53·6	+2·5
Durham ..	9·9	+ 4·3	59	3	28	•	•	•	•
Rounton ..	•	•	•	1	30	58·8	•	•	•
West Witton ..	•	•	•	0	33	60·5	•	50·8	•
Scarborough† ..	7·5	+ 1·7	46	•	•	•	•	46·3	•
York ..	7·1	+ 1·4	43	—	—	59·7	+4·2	53·9	+2·2
Spurn Head ..	9·7	—	58	•	•	•	•	•	•
Lincoln ..	•	•	•	•	•	58·3	+0·6	53·2	+1·1
Rauceby ..	8·5	+ 2·1	52	•	•	62·2	+2·3	53·9	+0·7
Skegness ..	9·6	+ 2·8	58	•	•	•	•	•	•
Cromer ..	9·2	+ 2·9	56	•	•	•	•	•	•
Lit. Massingham	9·2	+ 2·9	56	•	•	•	•	•	•
Yarmouth ..	10·1	—	62	0	38	60·4	−0·1	54·4	−1·4
Norwich ..	8·2	—	50	0	33	59·6	•	•	•
Geldeston ..	8·4	+ 1·6	51	•	•	•	•	•	•
Cambridge ..	9·1	+ 2·0	56	0	35	60·4	+1·2	55·5	+0·7
Clacton ..	9·7	+ 2·5	60	0	41	59·4	+1·4	55·8	+0·8
Rothamsted ..	8·8	+ 2·4	54	0	31	57·9	•	•	•
Tottenham ..	8·7	—	54	0	41	•	•	55·6	0·0
Harrogate ..	8·7	+ 2·4	52	0	33	57·2	+3·7	54·4	+3·1
Sheffield ..	—	—	—	—	—	—	—	—	—
Buxton ..	—	—	—	—	—	—	—	—	—
Worksop ..	7·8	+ 2·3	47	1	30	59·1	•	54·7	•
Nottingham ..	8·3	+ 2·4	51	0	35	60·3	+2·4	55·2	+2·4
Birmingham ..	8·0	+ 3·1	49	2	30	55·0	+2·2	49·9	+0·8
Raunds ..	8·3	—	51	4	19	59·6	•	52·2	•
Oxford ..	9·1	+ 2·7	56	0	32	•	•	•	•
Cheadle ..	•	•	•	0	37	•	•	•	•
Shrewsbury ..	•	•	•	0	33	•	•	•	•
Malvern ..	10·2	—	63	0	39	61·8	•	56·4	•
Clifton ..	10·1	—	63	0	46	•	•	•	•
Worthing ..	10·7	+ 3·3	66	0	40	61·5	+0·9	55·9	+0·7
Marlborough ..	8·2	+ 2·3	51	0	31	•	•	54·0	•
Salisbury ..	•	•	•	0	39	64·0	•	•	•
Wisley ..	8·9	+ 2·3	55	3	27	57·7	−1·2	53·7	−0·8
Tunbridge Wells	8·8	+ 2·2	55	3	28	58·8	−2·0	54·7	•
Margate ..	9·7	+ 3·3	60	0	42	62·1	+3·9	57·4	+3·2
Folkestone ..	11·1	—	69	•	•	•	•	51·7	•
St. Leonards ..	10·4	+ 3·1	65	0	40	61·1	•	55·5	•
Southampton ..	10·3	+ 3·5	64	0	35	•	•	•	•
Ventnor ..	10·3	+ 3·4	64	•	•	•	•	•	•
Richmond ..	7·9	+ 1·5	49	1	28	59·5	+1·1	51·1	+0·5
Westminster ..	7·8	+ 2·2	48	0	42	•	•	•	•
Greenwich ..	8·1	+ 1·7	50	4	26	•	•	•	•
Hampstead ..	8·8	—	55	0	34	•	•	•	•
Camden Square	6·9	+ 1·2	43	0	41	•	•	•	•
Aspatria ..	11·9	+ 4·8	70	0	37	58·7	+2·1	52·3	+1·5
Newton Rigg ..	12·4	+ 5·3	73	0	34	60·1	+4·0	52·4	+1·7
Stonyhurst ..	10·9	+ 4·4	65	0	37	•	•	•	•
Blackpool ..	10·6	+ 2·8	64	0	35	57·9	•	51·8	•
Southport ..	11·4	+ 3·8	69	0	39	62·4	+3·0	57·8	+2·4
Hoylake ..	11·2	+ 4·2	67	•	•	•	•	•	•
Liverpool ..	11·7	—	70	0	42	•	•	•	•
Manchester (City)	8·5	+ 2·6	51	0	40	60·1	+3·1	56·0	+2·8
Whitworth Park	9·4	+ 3·8	57	•	•	•	•	•	•
Llandudno ..	12·7	+ 5·1	77	•	•	•	•	•	•
Holyhead ..	11·4	—	69	0	34	•	•	•	•
Aberdovey ..	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts,	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	68	3rd	47	8th	64·0	50·4	56·7	—	1	0·16	4·0	—									
a Rhayader	757	76	2nd	36	8th	67·6	42·4	54·1	—	2	0·04	1	—	Aberystwyth ..	11·6	+ 5·2	71	•	•	•	•	•
a St. Ann's Head	149	73	3rd	50	5, 8	63·7	51·7	57·3	+ 2·4	2	0·43	11	- 1	Rhayader ..	10·4	—	64	2	29	•	•	•
p Cardiff	202	80	2nd	45	5th	71·0	49·7	59·6	+ 2·9	3	0·06	2	- 13	St. Ann's Head	11·1	+ 3·9	68	•	•	•	•	•
														Cardiff	9·9	—	61	0	39	62·0	+2·7	54·8	+0·8
b, ENGLAND, S.W.																						
a Bath	66	80	2nd	43	5, 8	70·9	46·4	57·8	+ 0·7	1	0·02	1	- 12	Bath	•	•	•	•	•	61·5	+2·0	56·7	+1·5
a Shaftesbury	722	78	2nd	46	8th	68·3	50·1	58·6	+ 3·0	0	0·00	0	- 13	Shaftesbury ..	•	•	•	•	•	62·1	•	56·2	•
a Arlington	613	78	2, 3	43	5th	69·4	48·4	58·2	+ 3·2	3	0·35	9	- 10										
a Hartland Quay ..	100	72	3rd	50	5th	64·4	54·7	59·2	—	1	0·12	3	—										
a Newquay	190	73	2nd	44	5, 6	64·7	47·3	55·4	- 0·6	3	0·16	4	- 7	Newquay ..	11·0	+ 3·8	69	0	34	62·3	•	55·4	•
a Cullompton	202	81	2nd	40	5th	73·4	45·7	58·6	+ 1·7	1	0·05	1	- 12	Cullompton ..	10·7	+ 4·2	67	0	34	63·6	•	•	•
a Portland Bill	19	69	3rd	50	5th	62·9	52·9	57·6	+ 1·5	0	0·00	0	- 8	Weymouth ..	10·0	—	63	•	•	•	•	•	•
p Plymouth	116	74	2nd	47	5, 6	67·6	50·6	58·5	+ 1·2	1	0·05	1	- 11	Plymouth ..	11·8	+ 4·8	74	0	37	64·2	+4·7	56·5	•
a Falmouth	167	72	3rd	48	5, 8	66·6	52·1	58·9	+ 2·4	1	0·03	1	- 12	Falmouth ..	11·5	+ 4·1	72	0	37	63·0	•	58·1	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	71	5th	46	8th	63·9	52·0	57·5	+ 4·3	3	0·13	3	- 7	Malin Head ..	9·2	—	54	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	75	3rd	45	7th	65·7	52·4	58·6	+ 4·6	3	0·51	13	- 1	Markree Castle	8·1	+ 2·2	49	0	36	62·8	+5·2	54·0	+1·6
West .. *p* Markree Castle ..	122	80	2nd	45	7, 8	71·3	48·0	58·8	+ 4·9	3	0·88	22	+ 8										
b, East .. *p* Armagh	196	80	2nd	46	5, 8	72·0	49·3	59·9	+ 5·4	1	0·40	10	- 2	Armagh	10·5	+ 4·6	63	0	34	60·7	+3·9	53·7	+1·0
b, East .. *a* Donaghadee ..	101	71	5th	46	8th	65·0	50·1	57·0	+ 3·2	3	0·28	7	- 5										
10. IRELAND, S.																						
p Dublin, City	47	73	2nd	50	5, 8	68·7	53·4	60·5	+ 3·9	2	0·17	4	- 6	Trinity Coll. ..	•	•	•	0	39	61·3	+4·2	55·1	+1·7
a Birr Castle	175	80	2nd	46	8th	72·9	50·3	60·8	+ 5·6	2	0·43	11	- 1	Phœnix Park ..	11·3	+ 4·6	68	0	33	•	•	•	•
a Kilkenny	212	78	3rd	42	8th	71·3	48·0	58·8	+ 3·3	2	0·48	12	0	Dublin City ..	•	•	•	0	46	•	•	•	•
a Waterford	20	78	2nd	48	2, 3, 8	70·0	50·0	59·3	+ 3·1	2	0·48	12	- 1	Birr Castle ..	9·7	+ 3·9	59	0	39	•	•	•	•
p Seskin, Carrick-on-Suir	541	77	2nd	46	8th	70·1	51·0	59·9	—	2	0·59	15	—	Seskin	10·8	—	66	0	39	•	•	•	•
a Cahir	199	80	2nd	44	4, 8	69·7	47·0	57·6	+ 2·0	2	0·40	10	—										
a Foynes	50	78	2, 4	48	4th	72·0	50·9	60·7	+ 4·7	2	0·40	10	- 3										
a Cahirciveen (Val. Obs.)	30	76	3rd	49	2nd	67·4	51·6	59·0	+ 3·4	2	0·47	12	- 5	Cahirciveen ..	8·5	+ 1·8	52	0	46	•	•	•	•
a Killarney	174	84	2nd	47	8th	74·5	51·5	62·2	+ 6·3	2	0·55	14	- 1	Ballinacurra ..	9·3	+ 2·6	58	•	•	•	•	•	•
a Roche's Point	32	68	2nd	49	8th	65·1	52·8	58·4	+ 2·7	5	0·42	11	- 3										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	75	3rd	46	4th	67·0	52·3	59·4	+ 3·1	3	0·09	2	- 10	Scilly	11·2	+ 4·1	70	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	74	3rd	46	7th	67·7	50·6	58·6	+ 1·0	0	0·00	0	- 14	St. Heliers ..	12·1	+ 4·8	76	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	72	3rd	48	7th	67·1	51·1	58·5	+ 1·3	0	0·00	0	- 13	Guernsey† ..	12·1	+ 4·6	76	0	40	61·3	+2·2	57·7	+1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 8th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	2	7	93	68	0	0	293	12	2	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	1	119	48	0	157	6	6	14	13	2	17	5
Aberdeen	153	105	52	—	—	—	—	26	110	32	0	315	9	2	17	14	6	15	40
Edinburgh	485	39	31	—	—	—	—	47	66	55	0	203	11	7	1	17	7	0	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	43	56	69	0	214	9	6	23	14	6	23	10
Paisley	188	81	15	—	—	—	—	13	102	53	0	315	7	7	17	16	7	17	0
2. ENGLAND, N.E.																			
Alnwick Castle	220	70	17	—	—	—	—	—	79	89	0	124	5	5	14	10	7	11	35
South Shields	72	61	12	—	—	—	—	7	112	49	0	293	6	7	19	11	7	17	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	19	136	13	0	45	7	4	7	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	90	70	8	0	360	11	2	14	13	3	10	40
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	5	100	63	0	225	6	7	12	12	7	11	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	5	129	24	10	—	7	7	9	10	7	10	35
Brighton .. .. ‡.	281	53	6	—	—	—	—	18	106	44	0	—	8	3	7	11	3	6	55
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	23	122	23	0	203	7	7	13	11	7	12	55
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	87	31	0	225	5	7	13	11	7	13	10
S. Kensington	123	92	30	—	—	—	—	—	87	54	27	56	4	3	6	9	6	17	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	9	34	125	0	270	7	7	17	11	7	14	50
Fleetwood (Cup Anr.) ..	109	44	—	—	—	7	1	27	123	17	0	315	11	7	6	—	—	—	—
Southport	80	62	48	—	—	—	—	34	125	9	0	326	10	7	6	15	7	5	50
Holyhead	60	40	‡	—	—	—	—	40	82	46	0	293	10	6	16	15	6	16	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	2	40	126	0	135	6	4	11	8	4	11	30
Plymouth	185	88	2	—	—	—	—	2	89	77	0	—	7	3	15	8	6	14	55
Lyme Regis	556	61	‡	—	—	—	—	—	26	142	0	—	5	7	12	9	7	10	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	7	1	41	73	53	0	270	11	7	4	—	—	—	—
Quilty	100	40	‡	—	—	6	6	67	35	57	3	—	11	6	16	18	6	16	25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	32	88	48	0	203	10	8	24	15	8	23	25
Weaver Pt.	160	30	‡	—	—	—	—	15	43	110	0	—	8	6	15	12	6	15	35
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	—	—	14	26	128	0	135	8	4	10	11	4	7	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-THIRD WEEK of 1918 - June 2nd to June 8th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	°/₀	mb.
0. SCOTLAND, NORTH ...	76	40	89·2	80·6	84·6	+ 0·9	76	+ 9	0	0	3	0	0·64	16	+ 4	8·0	+2·3	45	1022
Eastern.																			
1. SCOTLAND, EAST ...	80	34	91·6	79·8	85·2	+ 0·9	84	+ 9	0	0	2	− 1	0·15	4	− 5	10·5	+4·4	60	1023
2. ENGLAND, N.E.	80	37	91·7	81·4	86·2	+ 1·1	96	+ 14	0	0	2	− 1	0·16	4	− 7	8·8	+2·7	53	1025
3. ENGLAND, EAST ...	79	34	91·7	80·3	85·6	− 0·7	89	− 8	0	0	1	− 2	0·01	0	− 13	9·2	+2·5	56	1025
4. MIDLAND COUNTIES ...	81	35	93·3	80·8	86·7	+ 0·4	102	+ 5	0	0	1	− 2	0·10	3	− 11	8·7	+2·6	53	1025
5. ENGLAND, S.E.	82	35	92·5	81·3	86·5	− 0·3	100	− 4	0	0	1	− 2	0·01	0	− 14	9·6	+2·7	60	1025
Western.																			
6. SCOTLAND, WEST ...	80	28	93·0	80·8	86·4	+ 1·1	99	+ 11	0	0	2	− 1	0·59	15	+ 3	10·2	+3·5	60	1024
7. ENGLAND, N.W.	77	39	92·6	82·2	87·1	+ 1·3	107	+ 16	0	0	2	− 1	0·50	13	+ 3	11·7	+4·8	70	1025
8. ENGLAND, S.W.	81	36	93·1	82·6	87·4	+ 1·0	112	+ 13	0	0	1	− 2	0·10	3	− 11	11·2	+4·4	69	1026
9. IRELAND, NORTH ...	80	45	93·3	83·2	87·9	+ 2·6	118	+ 33	0	0	3	0	0·44	11	− 2	9·3	+3·4	56	1023
10. IRELAND, SOUTH ...	84	42	94·2	83·3	88·4	+ 2·2	124	+ 27	0	0	2	− 1	0·42	11	− 3	9·7	+3·3	59	1025
11. ENGLISH CHANNEL ...	75	46	92·6	83·7	87·8	+ 1·0	117	+ 14	0	0	1	− 2	0·03	1	− 12	11·8	+4·5	74	1026

THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, June 2nd to June 8th, 1918.

0. SCOTLAND, NORTH ...	76	40	89·2	80·6	84·6	+ 0·9	76	+ 9	0	0	3	0	0·64	16	+ 4	8·0	+2·3	45	1022
Eastern.																			
1. SCOTLAND, EAST ...	80	34	91·6	79·8	85·2	+ 0·9	84	+ 9	0	0	2	− 1	0·15	4	− 5	10·5	+4·4	60	1023
2. ENGLAND, N.E.	80	37	91·7	81·4	86·2	+ 1·1	96	+ 14	0	0	2	− 1	0·16	4	− 7	8·8	+2·7	53	1025
3. ENGLAND, EAST ...	79	34	91·7	80·3	85·6	− 0·7	89	− 8	0	0	1	− 2	0·01	0	− 13	9·2	+2·5	56	1025
4. MIDLAND COUNTIES ...	81	35	93·3	80·3	86·7	+ 0·4	102	+ 5	0	0	1	− 2	0·10	3	− 11	8·7	+2·6	53	1025
5. ENGLAND, S.E.	82	35	92·5	81·3	86·5	− 0·3	100	− 4	0	0	1	− 2	0·01	0	− 14	9·6	+2·7	60	1025
Western.																			
6. SCOTLAND. WEST ...	80	28	93·0	80·8	86·4	+ 1·1	99	+ 11	0	0	2	− 1	0·59	15	+ 3	10·2	+3·5	60	1024
7. ENGLAND, N.W.	77	39	92·6	82·2	87·1	+ 1·3	107	+ 16	0	0	2	− 1	0·50	13	+ 3	11·7	+4·8	70	1025
8. ENGLAND, S.W.	81	36	93·1	82·6	87·4	+ 1·0	112	+ 13	0	0	1	− 2	0·10	3	− 11	11·2	+4·4	69	1026
9. IRELAND, NORTH ...	80	45	93·3	83·2	87·9	+ 2·6	118	+ 33	0	0	3	0	0·44	11	− 2	9·3	+3·4	56	1023
10. IRELAND, SOUTH ...	84	42	94·2	83·3	88·4	+ 2·2	124	+ 27	0	0	2	− 1	0·42	11	− 3	9·7	+3·3	59	1025
11. ENGLISH CHANNEL ...	75	46	92·6	83·7	87·8	+ 1·0	117	+ 14	0	0	1	− 2	0·03	1	− 12	11·8	+4·5	74	1026

THE YEAR 1918.—Aggregates, &c., for the Period of 23 Weeks, December 30th, 1917, to June 8th, 1918.

0. SCOTLAND, NORTH ...	76	5	82·0	75·9	78·9	+ 0·5	598	+ 89	514	− 24	97	−10	19·52	492	− 50	3·2	−0·1	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	82·5	75·1	78·7	+ 0·3	643	+ 54	617	0	83	− 8	10·32	260	− 42	3·5	−0·3	29	1015
2. ENGLAND, N.E.	83	9	83·2	76·6	79·8	+ 0·7	786	+131	394	− 78	77	− 6	8·49	215	− 18	3·7	−0·3	31	1017
3. ENGLAND, EAST ...	81	14	83·8	76·3	79·9	+ 0·4	840	+ 45	411	− 83	70	−11	8·99	229	0	4·3	0·0	36	1017
4. MIDLAND COUNTIES ...	84	12	84·4	76·4	80·3	+ 0·8	938	+119	402	−120	69	−11	9·81	249	− 13	3·7	−0·1	31	1017
5. ENGLAND, S.E.	83	15	84·4	77·0	80·6	+ 0·4	942	+ 70	353	− 26	69	−10	9·78	248	− 15	4·5	+0·1	37	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	83·5	76·5	79·9	+ 0·5	791	+113	374	− 42	85	−12	17·42	443	− 28	3·8	0·0	32	1016
7. ENGLAND, N.W.	84	12	83·9	77·3	80·5	+ 0·8	887	+171	280	−102	75	−11	11·87	303	− 26	4·2	+0·3	35	1016
8. ENGLAND, S.W.	82	16	84·3	77·7	81·0	+ 0·6	962	+115	256	− 45	73	−13	12·70	325	− 53	4·6	+0·3	38	1017
9. IRELAND, NORTH ...	80	18	84·0	77·4	80·6	+ 0·7	905	+167	277	− 63	90	−14	13·08	332	− 46	3·9	+0·2	32	1015
10. IRELAND, SOUTH ...	84	19	85·0	78·1	81·5	+ 0·8	1072	+163	217	− 43	88	− 5	15·80	400	− 10	4·3	+0·2	36	1016
11. ENGLISH CHANNEL ...	81	26	84·8	79·4	82·0	+ 0·3	1107	+ 81	91	− 14	76	−16	9·17	233	− 85	5·4	+0·4	45	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	°/₀	mb.

METEOROLOGICAL OFFICE, LONDON : LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 13th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 24.

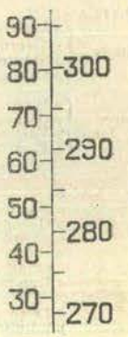
THE TWENTY-FOURTH WEEK OF 1918.
SUNDAY, JUNE 9TH, TO SATURDAY, JUNE 15TH, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a depression crossed the northern parts of Ireland and England and caused gales from the South-West on some parts of our western coast, and as far inland as Salisbury. As the depression moved away towards the Gulf of Lyons an anti-cyclone extended over the United Kingdom from the Atlantic, the wind becoming generally Northerly and light. After the 12th a "low" to the north of Scotland became deeper, and winds from the West set in generally, gale force being reached in Scotland and round the Irish Sea. The depression at the beginning of the week was accompanied by frequent thunder showers—in the southern counties the first rain for a fortnight. On the 9th there was a heavy fall (79mm.) at Beddgelert. Much rain fell in Scotland towards the end of the week. South of the Caledonian Canal the total rainfall was generally below normal, in the North-East of England almost negligible. The highest temperature occurred at most stations about the middle of the week, 296 a. was reached in London and the Midlands. On the whole, the temperature was below normal for the time of year. There was a notable lack of sunshine in the North and West.

A Solar halo was seen at Oxford on the 9th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	4·7	9	4·1	11	2·6	11	1·8	11	4·1	1	5·2	9	3·4	8	3·0
North	4	2·3	11	2·1	12	2·6	12	2·7	14	4·5	27	6·1	7	4·9	19	4·3
West	23	7·7	24	7·3	17	3·4	21	2·6	24	6·4	18	5·0	26	8·4	27	5·9
East	3	5·6	3	1·0	6	1·7	2	1·6	0	—	3	1·9	0	—	0	—
Calm	0	—	0	—	3	—	3	—	2	—	0	—	1	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate
	Rainfall ...	Heavy	Moderate	Very light	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 2 weeks from June 2nd, 1918.	Warmth ...	1, 0, 1	0, 1, 1	1, 1, 0	0, 2, 0	0, 2, 0	0, 2, 0	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	1, 1, 0
	Rainfall ...	1, 1, 0	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 2, 0	0, 2, 0	0, 1, 1	0, 2, 0	0, 2, 0	0, 1, 1
	Sunshine ...	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Centigrade ent of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(17942—19.) Wt. 199—789. 625. 6/18. D & S. G 17 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
																		Grass Min.		Earth 1 ft.		Earth 4 ft	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands ..	*a* Lerwick	54	54	11th	40	14th	50·7	44·3	47·3	- 1·3	7	1·02	26	+ 16									
	p Deerness	160	57	10th	41	15th	53·7	46·3	49·7	—	5	0·51	13	+ 2	Deerness ..	3·0	- 2·8	17	•	•	•	•	•	•
	a Stornoway	31	59	10th	41	15th	55·9	46·6	50·9	- 0·6	6	1·38	35	+ 21	Stornoway ..	3·3	- 3·2	18	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	58	10th	45	15th	54·6	49·1	51·7	—	6	0·71	18	—	Castlebay ..	3·6	—	21	•	•	•	•	•	•
b, Mainland.	*a* Wick	81	63	12th	39	15th	56·1	45·7	50·5	- 0·3	5	0·44	11	0	Fort Augustus..	3·4	- 1·6	19	•	•	•	•	•	•
	p Glencarron	500	58	9th	235	13th	53·4	42·7	47·7	- 4·6	7	2·15	55	+ 31									
	p Fort Augustus.. ..	68	65	9th	27	13th	59·7	42·3	50·4	- 2·8	3	0·90	23	+ 11									
	p Fort William	171	64	10th	40	15th	58·3	46·7	52·1	- 2·5	6	2·00	51	+ 31									
1. SCOTLAND, E.																							
	a Nairn	82	65	12th	39	15th	60·4	46·4	52·9	- 0·2	4	0·80	20	+ 9	Nairn	5·3	—	30	•	•	•	•	•	•
	p Gordon Castle	101	66	12th	40	15th	61·1	46·1	53·1	- 0·3	4	0·80	20	+ 8	Gordon Castle..	5·1	—	29	•	•	•	•	•	•
	a Aberdeen	48	67	10th	43	12, 15	61·1	47·7	53·9	+ 1·4	4	0·26	7	- 3	Aberdeen ..	4·7	- 1·7	27	0	37	•	•	52·6	+2·6
	a Balmoral	930	68	10th	36	12th	59·1	42·4	50·2	- 1·3	2	0·18	5	- 7	Balmoral ..	•	•	•	0	34	•	•	•	•
	p Crieff	432	67	10th	36	15th	60·0	41·7	50·2	- 4·6	3	0·35	9	- 7	Crathes	4·4	- 1·8	25	0	32	56·5	+1·4	53·3	+2·4
	a Dundee	244	72	10th	37	15th	63·6	43·9	53·1	- 1·2	3	0·45	11	0	Dundee	7·3	—	42	1	30	57·9	•	•	•
	a Leith	30	68	10th	42	15th	61·7	47·7	54·2	- 0·5	3	0·20	5	- 5	Leith	•	•	•	0	39	•	•	•	•
	p Edinburgh	441	68	10th	41	15th	60·9	46·4	53·2	+ 0·2	3	0·26	7	- 5	Edinburgh ..	6·0	- 0·4	35	0	38	•	•	•	•
	a West Linton	769	63	10th	37	12th	58·3	42·9	49·1	- 2·2	6	0·32	8	—	West Linton ..	4·5	—	26	0	31	•	•	•	•
	p Marchmont	498	65	10th	38	15th	59·6	44·0	51·8	- 1·5	1	0·16	4	- 10	Marchmont ..	6·4	+ 0·1	37	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	59	10, 12	39	15th	57·0	45·0	50·6	—	7	1·37	35	—	Ford (Argyll) ..	•	•	•	0	32	58·3	•	53·8	•
	p Glasgow Observatory	180	64	10th	42	15th	58·6	48·0	52·9	- 2·0	5	0·28	7	- 8	Glasgow.. ..	5·4	- 0·4	32	0	35	•	•	•	•
	p Rothesay	200	61	10, 13	40	15th	57·3	45·6	51·0	- 3·8	6	0·50	13	- 5	Rothesay ..	5·2	—	30	0	36	56·7	•	53·9	+1·7
	a Kilmarnock	90	64	10th	40	12th	60·1	48·0	53·6	- 0·5	3	0·20	5	- 9	Kilmarnock ..	4·9	—	29	•	•	57·3	•	53·7	•
	a Colmonell	170	64	13th	44	15th	59·6	48·6	53·7	+ 0·2	5	0·54	14	- 1	Colmonell ..	•	•	•	0	39	•	•	•	•
	p Cally, Gatehouse ..	120	65	10, 13	42	15th	60·6	45·6	52·6	- 1·5	4	0·63	16	- 1	Dumfries ..	5·5	—	32	0	32	58·0	-1·1	56·3	+1·2
	p Dumfries	160	66	10th	41	15th	59·7	45·3	52·0	- 3·8	4	0·17	4	- 10	Eskdalemuir ..	4·2	—	25	1	28	•	•	•	•
	a Eskdalemuir	794	65	10th	35	12th	57·4	39·6	47·9	—	5	0·47	12	—										
b, I. OF MAN	*p* Douglas	277	65	13th	42	15th	58·1	46·7	52·0	- 2·3	4	0·70	18	+ 4	Douglas	5·3	- 2·5	31	0	39	•	•	•	•
2. ENGLAND, N.E																							
a North ..	*a* Alnwick Castle ..	210	67	11th	41	10, 12, 15	62·6	45·4	53·4	+ 0·2	1	0·03	1	- 10									
	a Tynemouth	71	66	13th	43	15th	60·9	46·4	53·2	+ 0·2	1	0·08	2	- 8	Cockle Park ..	6·3	+ 0·2	37	0	35	55·7	-0·3	53·1	+0·9
	p Durham	336	68	11th	39	15th	62·7	44·0	53·7	- 1·2	1	0·02	0·4	- 10	Durham ..	5·7	- 0·2	34	4	29	•	•	•	•
	p Rounton	249	67	13th	39	12, 15	61·7	43·7	52·1	- 1·4	2	0·09	2	- 10	Rounton ..	•	•	•	1	30	57·2	•	•	•
	a West Witton	605	66	11, 13	39	15th	61·4	45·0	52·6	—	4	0·15	4	—	West Witton ..	6·4	4	•	0	35	57·8	•	51·9	•
	p Scarborough	100	67	13, 14	45	15th	64·3	51·7	57·6	+ 3·3	1	0·12	3	- 7	Scarborough† ..	5·6	- 0·4	33	•	•	•	•	47·6	•
	p York	56	68	11th	42	15th	63·0	47·1	54·5	- 1·7	1	0·02	0·4	- 11	York	5·9	- 0·1	35	•	•	57·8	+1·2	54·5	+1·9
b, South ..	*a* Spurn Head	26	67	13th	45	15th	61·9	49·3	55·2	+ 0·6	0	0·00	0	- 8	Spurn Head ..	8·0	—	48	•	•	•	•	•	•
	a Lincoln	58	72	13th	42	15th	65·4	47·7	55·9	- 1·0	1	0·02	1	- 10	Lincoln	•	•	•	•	•	57·7	-1·1	54·0	+0·7
	a Fulbeck	180	74	13th	40	15th	67·0	46·7	56·1	- 0·2	3	0·09	2	- 8	Rauceby ..	8·4	+ 1·7	51	•	•	61·4	+0·6	55·0	+0·8
															Skegness ..	8·5	+ 1·3	51	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	74	13th	42	10, 15	65·1	47·4	55·6	+ 1·3	2	0·05	1	- 10	Cromer	6·9	+ 0·6	42	•	•	•	•	•	•
	a Little Massingham ..	280	74	13th	39	10th	65·4	46·4	55·2	- 0·3	2	0·06	2	- 12	Lit. Massingham	7·8	+ 1·5	47	•	•	•	•	•	•
	a Yarmouth	13	73	13th	44	10, 15	64·4	49·1	56·2	+ 1·4	3	0·19	5	- 6	Yarmouth ..	8·2	—	50	0	39	60·4	-1·2	55·7	-1·2
	a Norwich	93	74	13th	40	10th	66·9	47·9	56·7	+ 1·0	1	0·10	3	- 9	Norwich ..	8·3	—	51	0	33	59·5	•	•	•
	a Geldeston	37	73	13th	38	10th	66·6	45·9	55·5	+ 0·3	3	0·14	4	- 7	Geldeston ..	7·3	+ 0·5	45	•	•	•	•	•	•
	p Cambridge	41	73	11th	41	15th	67·6	48·3	57·3	+ 0·9	2	0·11	3	- 10	Cambridge ..	6·6	+ 0·1	48	0	37	60·0	-0·1	55·9	+0·1
	a Clacton-on-Sea ..	54	72	13th	44	15th	64·4	50·7	57·1	+ 1·7	3	0·65	17	+ 7	Clacton	7·5	+ 0·3	46	0	40	59·3	+0·6	56·4	+0·5
	a Rothamsted	424	69	13th	42	15th	64·0	47·1	55·0	- 0·3	3	0·24	6	- 7	Rothamsted ..	6·6	+ 0·1	40	0	37	57·6	•	•	•
	p Tottenham	51	71	11, 13	48	10th	67·1	50·6	58·3	—	3	0·19	5	—	Tottenham ..	6·5	—	40	0	46	•	•	56·2	-0·6
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	65	11, 13	39	15th	60·4	45·0	52·2	- 1·7	2	0·12	3	- 8	Harrogate ..	6·1	- 0·6	37	0	35	55·3	+0·7	54·2	+1·8
	p Sheffield	429	67	11, 13	44	15th	62·0	48·0	54·5	—	4	0·15	4	—	Sheffield.. ..	6·7	+ 0·8	40	0	38	57·5	+1·6	52·1	+1·2
	p Buxton	987	65	13th	40	15th	58·7	44·9	51·3	—	5	0·88	22	+ 7	Buxton	5·2	—	31	0	37	56·4	+0·4	52·5	+2·2
b, East ..	*a* Bawtry	65	70	13th	41	11, 15	64·7	45·7	54·5	- 1·6	2	0·08	2	- 7	Worksop ..	6·3	+ 0·6	38	0	32	57·9	•	54·9	•
	a Nottingham	82	72	13th	41	15th	65·1	47·3	55·6	- 0·5	3	0·09	2	- 7	Nottingham ..	7·3	+ 1·2	44	0	38	59·1	+0·3	55·7	+1·7
	p Birmingham, Edgbsn.	535	70	13th	42	15th	63·4	47·4	54·8	- 1·1	4	0·44	11	0	Birmingham ..	6·1	+ 0·9	37	0	38	53·2	-0·4	50·4	+0·5
	a Raunds	203	73	13th	38	15th	67·3	46·0	55·9	- 0·5	4	0·20	5	- 4	Raunds	7·9	—	48	1	25	59·1	•	53·1	•
	p Oxford	208	69	12, 13	42	15th	64·6	47·9	55·7	- 1·2	4	0·54	14	+ 3	Oxford	6·5	- 0·2	40	0	33	•	•	•	•
c, West ..	*a* Cheadle (N. Staffs.) ..	646	70	13th	39	15th	63·3	46·0	54·1	- 0·4	3	0·30	8	- 4	Cheadle	•	•	•	0	35	•	•	•	•
	p Shrewsbury	191	70	13th	41	11th	64·1	47·0	55·0	- 0·9	4	0·17	4	- 6	Shrewsbury ..	•	•	•	0	33	•	•	•	•
	a Hereford	291	73	13th	39	9, 12	66·7	45·3	55·3	- 1·0	3	0·27	7	- 3	Malvern	7·3	—	45	0	38	59·5	•	57·2	•
	a Clifton	229	72	11th	46	15th	64·0	50·0	56·5	- 1·5	4	0·48	12	- 2	Clifton	6·6	—	40	3	44	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	69	11th	35	15th	63·7	43·0	52·6	- 2·5	4	0·40	10	- 3	Worthing	6·6	- 1·0	41	0	41	60·4	-1·0	56·5	+0·3
	p Salisbury (Wilton) ..	180	72	11th	39	15th	66·0	44·4	54·5	- 2·3	2	0·41	10	- 2	Marlborough ..	6·4	+ 0·3	39	1	29	•	•	54·6	•
	a Wisley, Surrey ..	150	72	12, 13	42	15th	67·9	47·3	56·9	+ 0·4	3	0·60	15	+ 5	Salisbury	•	•	•	0	35	61·7	•	•	•
	a Tunbridge Wells ..	354	72	11th	43	15th	65·9	48·1	56·4	+ 0·1	3	0·29	7	- 4	Wisley	7·2	+ 0·4	44	0	32	57·6	-2·2	54·0	-1·6
	a Margate	51	70	13th	46	10th	64·0	52·7	58·0	+ 1·4	3	0·39	10	0	Tunbridge Wells	5·1	- 1·7	31	0	33	58·6	-2·5	55·1	•
															Margate	7·1	+ 0·6	44	0	41	62·4	+3·6	58·5	+3·1
	a Dungeness	21	69	11th	46	15th	63·6	50·3	56·5	+ 0·6	3	0·16	4	- 5	Folkestone ..	5·9	—	36	•	•	•	•	52·1	•
	p St. Leonards	178	70	11th	47	10, 15	64·4	50·1	56·8	+ 0·4	4	0·35	9	- 1	St. Leonards ..	5·8	+ 1·7	36	0	39	60·8	•	56·1	•
	p Southampton	64	73	11th	45	15th	66·7	48·7	57·1	- 1·1	4	0·28	7	- 4	Southampton ..	7·0	0·0	43	0	33	•	•	•	•
	a Ventnor	59	72	11th	46	15th	65·0	50·1	57·0	- 0·1	4	0·46	12	+ 2	Ventnor	6·5	- 0·6	40	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	72	13th	46	15th	66·8	50·1	57·9	+ 0·3	2	0·43	11	- 1	Richmond ..	7·0	+ 0·5	43	0	36	58·8	-0·4	54·9	+0·3
	a Westminster	27	73	11th	45	15th	67·8	50·6	58·6	+ 0·5	2	0·35	9	- 1	Westminster ..	6·8	+ 1·0	42	?	?	•	•	•	•
	ag Greenwich	149	74	11, 13	45	15th	70·0	49·4	59·0	+ 0·3	2	0·28	7	- 5	Greenwich ..	6·3	- 0·2	39	0	34	•	•	•	•
	a Hampstead	450	70	11th	40	15th	65·4	48·3	56·3	—	3	0·25	6	—	Hampstead ..	7·3	—	45	0	37	•	•	•	•
	ag Camden Square ..	110	76	11th	44	15th	71·1	50·0	59·8	+ 0·5	2	0·46	12	+ 1	Camden Square	5·7	- 0·2	35	0	42	•	•	•	•
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	63	10th	42	15th	58·0	44·9	51·0	- 3·9	4	0·34	9	- 4	Aspatria.. ..	4·4	- 3·1	26	0	38	56·3	-1·2	53·0	+1·2
	p Newton Rigg	559	65	13th	39	12th	59·7	42·6	50·6	- 3·9	4	0·36	9	- 2	Newton Rigg ..	5·1	- 2·4	30	0	31	57·3	0·0	53·1	+1·3
	p Stonyhurst	375	64	13th	43	12, 15	59·6	46·1	52·4	- 2·8	5	0·51	13	- 3	Stonyhurst ..	4·2	- 2·6	25	0	35	•	•	•	•
	p Blackpool	66	65	13th	46	10th	60·6	50·3	55·1	- 0·3	1	0·23	6	- 5	Blackpool ..	5·7	- 2·4	34	0	34	57·9	•	52·8	•
	a Southport	37	67	13th	47	10, 15	59·6	50·7	54·8	- 1·0	2	0·30	8	- 3	Southport ..	5·8	- 2·1	35	0	40	61·1	+0·6	58·4	+1·9
															Hoylake ..	6·1	- 1·2	37	•	•	•	•	•	•
	a Liverpool (Bidston) ..	188	68	13th	47	15th	60·6	49·9	54·9	- 1·5	3	0·43	11	0	Liverpool ..	5·8	—	35	0	43	•	•	•	•
	a Hawarden Bridge ..	22	68	13th	46	15th	62·3	50·0	55·7	- 1·3	3	0·45	11	+ 1	Manchester(City)	4·9	- 1·4	29	0	40	58·2	+0·2	56·9	+2·5
	p Manchester (Whit. Pk.)	125	70	13th	42	12th	62·4	47·7	54·5	- 2·8	4	0·53	14	0	Whitworth Park	4·5	- 1·4	27	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	16	65	13th	45	12th	59·7	48·9	53·9	- 2·5	3	0·56	14	+ 3	Llandudno ..	5·4	- 2·5	33	•	•	•	•	•	•
	a Holyhead	12	62	11, 13	45	15th	59·6	49·8	54·4	- 0·5	3	0·39	10	- 1	Holyhead ..	6·5	—	39	0	34	•	•	•	•
	a Beddgelert	309	62	13th	40	12th	59·3	46·9	52·7	—	4	3·46	88	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																							
a Aberystwyth	59	62	13th	45	11th	58·6	49·7	53·8	—	3	0·56	14	—	Aberystwyth ..	6·5	− 0·3	40	•	•	•	•	•	•
a Rhayader	757	65	13th	39	12th	58·9	45·1	51·5	—	5	0·92	23	—	Rhayader ..	7·3	—	45	1	36	•	•	•	•
a St. Ann's Head	149	60	11th	48	10, 11, 15	57·6	49·9	53·5	− 1·3	3	0·48	11	−6	St. Ann's Head	•	•	•	•	•	•	•	•	•
p Cardiff	202	71	11th	41	15th	62·9	47·4	54·6	− 2·1	4	0·81	21	+ 6	Cardiff	7·2	—	44	0	34	58·1	−2·0	55·7	+0·6
b, ENGLAND, S.W.																							
a Bath	66	70	11th	42	9, 15	64·3	47·3	55·2	− 1·9	3	0·41	10	− 3	Bath	•	•	•	•	•	60·2	0·0	57·0	+0·8
a Shaftesbury	722	69	11th	41	15th	63·3	46·9	54·5	− 1·1	2	0·67	17	+ 4	Shaftesbury ..	•	•	•	•	•	58·7	•	56·4	•
a Arlington	613	63	11, 12	44	11, 12, 15	59·6	47·3	53·0	− 2·0	5	0·69	18	− 1										
a Hartland Quay ..	100	60	13th	51	10, 11, 15	57·6	52·7	55·0	—	2	0·31	8	—										
a Newquay	190	64	13th	44	9th	59·7	49·9	54·5	− 1·4	3	0·78	20	+ 8	Newquay ..	7·1	− 0·5	44	0	35	60·7	•	56·2	•
a Cullompton	202	73	11th	39	9, 15	66·9	46·1	55·8	− 1·1	4	0·23	6	− 6	Cullompton ..	7·4	+ 0·6	46	0	31	61·9	•	•	•
a Portland Bill	19	64	11th	50	9, 11, 15	60·0	51·3	55·4	− 0·6	2	0·08	2	− 6	Weymouth ..	7·5	—	47	•	•	•	•	•	•
p Plymouth	116	69	13th	46	9, 15	64·0	49·6	56·3	− 1·0	3	0·17	4	− 8	Plymouth ..	7·5	0·0	47	0	40	61·7	+1·5	57·2	•
a Falmouth	167	69	13th	45	15th	63·4	50·0	56·2	− 0·2	3	0·18	5	− 8	Falmouth ..	8·3	+ 0·4	52	0	36	61·7	•	59·2	•
9. IRELAND, N.																							
West .. *a* Malin Head	208	59	13th	43	15th	55·7	48·0	51·6	− 1·9	6	0·73	19	+ 7	Malin Head ..	4·5	—	26	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	58	10, 13	42	15th	56·3	47·6	51·7	− 3·3	5	0·52	13	− 2	Markree Castle	4·8	− 1·1	28	0	32	58·6	0·0	55·0	+1·3
West .. *p* Markree Castle ..	122	65	13th	40	12th	59·3	46·7	52·6	− 1·7	6	0·80	20	+ 4										
b, East .. *p* Armagh	196	67	10th	40	15th	60·3	46·0	52·7	− 2·3	5	0·27	7	− 7	Armagh	4·9	− 1·1	29	0	34	58·0	+0·3	54·7	+1·1
b, East .. *a* Donaghadee ..	101	68	13th	43	15th	58·7	47·6	52·8	− 1·4	4	0·67	17	+ 4										
10. IRELAND, S.																							
p Dublin, City	47	67	10, 13	43	15th	62·6	48·9	55·3	− 1·8	3	0·40	10	+ 1	Trinity Coll. ..	•	•	•	0	38	59·1	+0·9	56·0	+1·7
a Birr Castle	175	68	10th	41	12th	61·3	46·9	53·6	− 2·1	3	0·13	3	− 8	Phœnix Park ..	6·4	− 0·2	39	1	30	•	•	•	•
a Kilkenny	212	69	10th	39	12th	62·6	47·6	54·6	− 1·3	4	0·24	6	− 5	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	20	72	13th	44	15th	64·7	49·4	56·5	− 0·2	2	0·35	9	− 3	Birr Castle ..	5·6	− 0·1	34	0	33	•	•	•	•
p Seskin, Carrick-on-Suir	541	70	13th	41	15th	63·4	46·0	54·1	—	4	0·15	4	—	Seskin	8·2	—	50	0	38	•	•	•	•
a Cahir	199	70	13th	40	12th	62·6	45·0	53·6	− 2·5	3	0·26	7	—										
a Foynes	50	65	13th	45	15th	60·9	50·6	55·4	− 0·9	5	0·37	9	− 3										
a Cahirciveen (Val. Obs.)	30	63	13th	46	15th	58·4	51·3	54·6	− 1·3	5	0·36	9	− 6	Cahirciveen ..	5·7	− 0·9	35	0	43	•	•	•	•
a Killarney	174	69	13th	46	15th	63·2	50·3	56·3	0·0	4	0·79	20	+ 7	Ballinacurra ..	9·4	+ 2·8	58	•	•	•	•	•	•
a Roche's Point	32	67	13th	46	15th	62·0	49·9	55·5	− 0·6	3	0·09	2	− 10										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	13, 14	47	15th	61·7	52·3	56·7	+ 0·4	4	0·24	6	− 2	Scilly	7·5	− 0·6	47	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	65	11, 12	46	9th	62·0	51·3	56·3	− 1·6	3	0·16	4	− 6	St. Heliers ..	7·5	− 0·7	47	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	11, 12	48	9th	63·0	50·6	56·4	− 1·1	4	0·14	4	− 4	Guernsey† ..	7·4	− 1·0	46	0	38	59·7	−1·0	58·1	+0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 15th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	13, 14	5	9, 10, 12, to 14	23	100	39	1	0	270	25	14	1	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	17	96	55	0	225	8	13	18	20	14	7	15
Aberdeen	153	105	52	—	—	13, 14	4	47	97	20	0	236	13	13	23	22	13	22	50
Edinburgh	485	39	31	13	1	12 to 14	17	110	38	2	0	270	17	13	22	28	13	22	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	9, 13, 14	24	72	52	20	0	259	16	13	24	26	14	2	45
Paisley	188	81	15	—	—	—	—	66	99	3	0	293	10	13	21	24	13	20	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	42	88	38	0	225	11	13	18	19	13	18	5
South Shields	72	61	12	—	—	13, 14	4	88	56	20	0	293	13	13	24	22	13	23	10
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	34	121	13	0	157	8	9	13	—	—	—	—
Gorleston	52	42	‡‡	—	—	9	6	96	62	4	0	157	12	9	12	15	9	11	5
Shoeburyness	103	90	‡	—	—	—	—	70	91	7	0	225	9	15	18	17	14	1	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	42	95	31	0	270	7	14	7	17	9	15	40
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	9	153	6	0	—	3	9	11	13	9	11	20
Brighton	361	53	6	—	—	—	—	53	101	14	0	—	8	14	16	13	10	0	25
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	9	2	92	55	0	19	247	12	9	17	17	9	12	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	13	122	33	0	{ 225	6	9	12	13	10	18	5
												{ 360	6	10	16				
S. Kensington	123	92	30	—	—	—	—	—	140	28	0	23	5	10	18	11	15	9	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	45	72	51	0	270	11	13	24	17	13	22	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	9 to 11, 13 to 15	43	98	19	0	8	270	15	15	6	—	—	—	—
Southport	80	62	48	9	2	9, 11 to 15	62	96	8	0	0	236	19	9	15	25	9	14	55
Holyhead	60	40	‡	9	9	9, 10, 14, 15	29	86	34	10	0	270	23	9	18	34	9	17	30
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	—	10	9	42	98	19	0	337	12	10	8	21	10	7	40
Plymouth	185	88	2	—	—	10	1	44	110	13	0	—	11	10	10	19	10	2	20
Lyme Regis‡ ..	556	61	‡	—	—	9, 10	13	61	67	27	0	—	14	10	10	20	10	9	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	9	9	9, 10, 12 to 15	35	92	29	3	0	270	22	9	14	—	—	—	—
Quilty	100	40	‡‡	9	15	9, 10, 12 to 15	57	81	15	0	0	—	19	9	19	27	9	13	30
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	9	6	97	63	2	0	315	13	9	17	23	9	13	45
Weaver Pt.	160	30	‡	—	—	9, 10	12	48	73	35	0	—	14	9	13	28	9	13	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	9	1	9, 10	26	50	81	10	0	360	17	9	24	23	9	23	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FOURTH WEEK of 1918—June 9th to June 15th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Deviation from Normal.	Accumulated Below 42°	Accumulated Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	27	86·2	80·1	82·9	− 1·2	55	− 17	0	−1	6	+2	1·32	34	+ 18	3·2	−2·4	18	1010
Eastern.																			
1. SCOTLAND, EAST ...	68	36	88·5	80·2	84·1	− 0·7	69	− 11	0	0	3	0	0·38	10	− 3	5·7	−0·6	33	1012
2. ENGLAND, N.E.	74	39	90·4	81·3	85·5	+ 0·1	88	+ 2	0	0	1	− 2	0·05	1	− 9	6·7	+0·3	40	1016
3. ENGLAND, EAST ...	74	38	91·7	82·0	86·5	+ 0·3	100	+ 4	0	0	2	− 1	0·19	5	− 7	7·2	+0·4	44	1017
4. MIDLAND COUNTIES ...	73	38	91·0	81·2	85·8	− 0·4	91	− 6	0	0	3	0	0·27	7	− 3	6·5	+0·1	40	1018
5. ENGLAND, S.E.	73	35	91·6	82·2	86·6	− 0·1	101	− 2	0	0	3	0	0·38	10	− 0	6·5	−0·7	40	1018
Western.																			
6. SCOTLAND, WEST ...	66	39	87·9	81·1	84·3	− 1·3	72	− 17	0	0	5	+ 2	0·55	14	− 3	5·4	−1·4	31	1015
7. ENGLAND, N.W.	70	39	88·7	81·8	85·0	− 1·1	81	− 13	0	0	3	0	0·43	11	− 1	5·2	−1·9	31	1018
8. ENGLAND, S.W.	73	39	89·7	81·9	85·6	− 0·8	88	− 11	0	0	3	0	0·46	12	− 2	7·5	+0·3	46	1021
9. IRELAND, NORTH ...	68	40	87·8	81·4	84·4	− 1·2	74	− 15	0	0	5	+ 1	0·52	13	− 2	4·9	−1·1	29	1017
10. IRELAND, SOUTH ...	72	39	89·7	82·4	85·8	− 0·6	91	− 9	0	0	4	+ 1	0·33	8	− 4	6·8	+0·5	41	1023
11. ENGLISH CHANNEL ...	66	46	89·8	83·8	86·6	− 0·3	102	− 4	0	0	4	+ 1	0·18	5	− 3	7·5	−0·8	47	1023

THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, June 2nd to June 15th, 1918.

0. SCOTLAND, NORTH ...	76	27	87·7	80·4	83·8	− 0·1	131	− 8	0	− 1	9	+ 2	1·96	50	+ 22	6·1	+0·5	35	1016
Eastern.																			
1. SCOTLAND, EAST ..	80	34	90·1	80·0	84·7	+ 0·1	153	− 2	0	0	5	− 1	0·53	14	− 8	8·1	+1·9	47	1018
2. ENGLAND, N.E.	80	37	91·1	81·4	85·9	+ 0·6	184	+ 16	0	0	3	− 3	0·21	5	− 16	7·8	+1·5	47	1021
3. ENGLAND, EAST ...	79	34	91·7	81·2	86·1	− 0·2	189	− 4	0	0	3	− 3	0·20	5	− 20	8·2	+1·5	50	1021
4. MIDLAND COUNTIES ...	81	35	92·2	81·0	86·3	0·0	193	− 1	0	0	4	− 2	0·37	10	− 14	7·6	+1·4	46	1022
5. ENGLAND, S.E.	82	35	92·1	81·8	86·6	− 0·2	201	− 6	0	0	4	− 2	0·39	10	− 14	8·0	+1·0	50	1022
Western.																			
6. SCOTLAND, WEST ...	80	28	90·5	80·9	85·4	+ 0·1	171	− 6	0	0	7	+ 1	1·10	28	− 1	7·8	+1·1	46	1020
7. ENGLAND, N.W.	77	39	90·6	82·0	86·0	0·0	188	+ 3	0	0	5	− 1	0·93	24	+ 2	8·4	+1·4	51	1022
8. ENGLAND, S.W.	81	36	91·4	82·3	86·5	+ 0·1	200	+ 2	0	0	4	− 2	0·56	15	− 13	9·3	+2·3	58	1024
9. IRELAND, NORTH ...	80	40	90·6	82·3	86·2	+ 0·7	192	+ 18	0	0	8	+ 1	0·96	24	− 4	7·1	+1·2	42	1020
10. IRELAND, SOUTH ...	84	39	91·9	82·8	87.1	+ 0·8	215	+ 18	0	0	6	0	0·75	19	− 7	8·2	+1·9	50	1024
11. ENGLISH CHANNEL ...	75	46	91·2	83·8	87·2	+ 0·3	219	+ 10	0	0	5	− 1	0·21	6	− 15	9·6	+1·8	60	1025

THE YEAR 1918.—Aggregates, &c., for the Period of 24 Weeks, December 30th, 1917, to June 15th, 1918.

0. SCOTLAND, NORTH ..	76	5	82·2	76·0	79·1	+ 0·4	653	+ 72	514	− 25	103	− 8	20·84	526	− 32	3·3	−0·1	27	1014
Eastern.																			
1. SCOTLAND, EAST ..	80	−3	82·7	75·4	78·9	+ 0·2	712	+ 43	617	0	86	− 8	10·70	270	− 45	3·6	−0·3	30	1015
2. ENGLAND, N.E.	83	9	83·5	76·8	80·1	+ 0·7	874	+133	394	− 78	78	− 8	8·54	216	− 27	3·8	−0·3	32	1017
3. ENGLAND, EAST ..	81	14	84·1	76·5	80·2	+ 0·4	940	+ 49	411	− 83	72	−12	9·18	234	− 7	4·4	0·0	36	1017
4. MIDLAND COUNTIES ...	84	12	84·7	76·6	80·6	+ 0·8	1029	+113	402	−120	72	−11	10·08	256	− 16	3·8	−0·1	31	1017
5. ENGLAND, S.E.	83	15	84·7	77·3	80·8	+ 0·3	1043	+ 68	353	− 26	72	−10	10·16	258	− 15	4·6	+0·1	37	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	83·7	76·7	80·1	+ 0·4	863	+ 96	374	− 42	90	−10	17·93	456	− 30	3·9	0·0	32	1016
7. ENGLAND, N.W.	84	12	84·1	77·5	80·7	+ 0·7	968	+158	280	−102	78	−11	12·30	314	− 27	4·3	+0·2	35	1016
8. ENGLAND, S.W.	82	16	84·6	77·8	81·2	+ 0·6	1050	+104	256	− 45	76	−13	13·16	337	− 55	4·7	+0·3	38	1018
9. IRELAND, NORTH ...	80	18	84·2	77·6	80·8	+ 0·6	979	+152	277	− 63	95	−13	13·60	345	− 48	3·9	+0·1	32	1015
10. IRELAND, SOUTH ...	84	19	85·2	78·3	81·6	+ 0·6	1163	+154	217	− 43	92	− 4	16·13	408	− 14	4·4	+0·2	36	1017
11. ENGLISH CHANNEL ..	81	26	85·0	79·6	82·2	+ 0·3	1209	+ 77	91	− 14	80	−15	9·35	238	− 88	5·4	+0·3	45	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 20th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON 28.VI.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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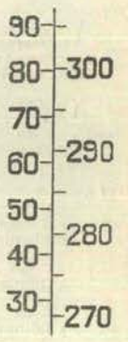
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 25.

THE TWENTY-FIFTH WEEK OF 1918.
SUNDAY, JUNE 16TH, TO SATURDAY, JUNE 22ND, 1918.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Early in the week there was a large depression centred over Scandinavia, and secondary disturbances with occasional thunderstorms passed from North to South across the United Kingdom. The prevailing winds were Northerly, and gradually decreased in strength. On the 18th and 19th a small depression travelled eastwards across our southern districts, and the wind for a time varied considerably in direction. In the latter half of the week strong South-Westerly to Westerly winds were experienced, and on the 22nd many places reported squalls of gale force. The mean temperature was everywhere below the normal, generally by about 2a. A reading of 294a. was recorded at Wisley (Surrey) on the 17th, but as a whole temperature did not rise above 293 a. The screen minimum was as low as 274 a. at Marlborough on the 18th, and at several places there were readings as low as 275 a., while the thermometer on the grass descended to 270 a. at Greenwich and Raunds, and to 271 a. at a few stations in England South-East. Rainfall was below the normal in most places, though several stations had considerable measurements principally due to thunderstorms on the 16th, 17th and 18th. At Cardiff 30mm. fell on the 18th, and on the same day at Sheepstor on Dartmoor there was a fall of 41mm. There was a high proportion of overcast skies during the week, the duration of bright sunshine being below normal everywhere. In District 7 (England North-West and North Wales) less than half the normal amount was recorded. There were a few good records however—14 hours were credited to Brighton and Eastbourne on the 16th; 13 hours to Marlborough on the 22nd and to Falmouth on the 19th. Solar halos were observed at Oxford on the 18th, 20th, 21st and 22nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	2·5	7	2·2	14	2·9	11	2·5	9	4·3	2	4·7	10	3·1	7	3·7
North	13	5·3	7	2·7	10	2·8	10	2·0	17	3·7	26	5·3	15	3·7	18	4·3
West	16	5·9	15	6·7	14	4·4	18	3·5	22	5·6	23	5·0	21	6·4	25	4·6
East	7	1·8	5	2·0	10	3·0	4	2·2	3	2·9	2	2·9	6	1·4	3	0·8
Calm	2	—	8	—	1	—	5	—	1	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate
	Sunshine ...	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 3 weeks from June 2nd, 1918.	Warmth ...	1, 0, 2	0, 1, 2	1, 1, 1	0, 2, 1	0, 2, 1	0, 2, 1	1, 0, 2	1, 0, 2	1, 0, 2	1, 0, 2	1, 0, 2	1, 1, 1
	Rainfall ...	1, 2, 0	0, 2, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 2, 1	0, 3, 0	0, 3, 0	0, 2, 1	0, 3, 0	1, 2, 0	0, 2, 1
	Sunshine ...	1, 1, 1	1, 1, 1	1, 2, 0	1, 2, 0	1, 1, 1	1, 2, 0	1, 1, 1	1, 0, 2	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(18062—19.) Wt. 199—789. 625. 6/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.
a. Islands .. a Lerwick ..	54	54	19th	39	17th	51·3	42·9	46·8	- 3·2	6	0·60	15
p Deerness	160	56	19th	42	17, 18	53·7	44·9	49·0	—	3	0·71	18
a Stornoway	51	60	19th	43	16–18	54·9	44·1	49·1	- 3·6	6	0·72	18
a Castlebay, Barra Isd.	37	56	19th	45	16, 22	53·6	47·4	50·3	—	6	0·47	12
b, Mainland. a Wick	81	56	20, 21	43	17, 22	53·4	44·9	48·9	- 3·2	6	0·68	17
p Glencarron	500	62	19th	39	17, 19	54·1	42·1	47·7	- 5·6	7	1·80	46
p Fort Augustus	68	64	18th	42	16, 22	57·4	43·4	49·9	- 4·5	4	0·31	8
p Fort William	171	66	19th	41	18th	59·6	42·4	50·4	- 5·2	5	1·13	29
1. SCOTLAND, E. a Nairn	82	61	21st	42	16, 17, 19	57·1	43·4	49·8	- 4·5	7	0·87	17
p Gordon Castle	101	62	21st	39	19th	57·6	44·1	50·4	- 4·2	4	0·57	14
a Aberdeen	46	63	21st	42	17th	57·3	46·6	51·6	- 2·2	5	0·52	13
a Balmoral	930	59	19th	37	17th	54·6	40·0	46·8	- 5·8	5	0·30	8
p Crieff	432	64	19th	38	18th	58·9	40·4	49·0	- 7·0	3	0·11	3
a Dundee	244	62	19th	38	17th	59·1	42·1	50·0	- 5·6	4	0·37	9
a Leith	30	61	19, 21	42	16, 17	58·9	46·0	52·0	- 4·0	4	0·14	4
p Edinburgh	441	62	19th	41	16th	57·9	45·1	51·1	- 3·1	3	0·08	2
a West Linton	769	60	19th	37	16th	55·3	42·1	48·2	- 4·3	5	0·49	12
p Marchmont	498	61	19, 21	37	16th	57·7	42·4	49·5	- 4·6	4	0·22	6
6. a, SCOTLAND, W. a Ford (Argyll)	149	64	19th	35	18th	57·4	42·1	49·2	—	6	1·20	31
p Glasgow Observatory	180	63	19th	44	16th	57·0	46·3	51·3	- 4·5	6	0·44	12
p Rothesay	200	64	19th	43	16, 18	57·4	45·1	50·8	- 4·9	6	0·55	14
a Kilmarnock	90	68	19th	43	16th	60·7	45·4	52·5	- 2·5	6	0·58	15
a Colmonell	170	62	19th	43	18th	58·9	45·7	51·8	- 2·6	5	0·47	12
p Cally, Gatehouse	120	63	17th	39	16th	59·3	44·3	51·3	- 3·7	5	0·80	20
p Dumfries	160	65	19th	40	16, 17, 22	58·1	44·0	50·6	- 6·1	6	0·69	18
a Eskdalemuir	794	59	19th	37	16th	55·6	42·1	48·4	—	7	0·88	22
b, I. OF MAN p Douglas	277	62	19th	40	16th	57·3	46·6	51·6	- 3·6	7	0·85	22
2. ENGLAND, N.E. a Alnwick Castle	210	63	21st	40	16th	58·9	44·7	51·3	- 3·6	5	0·22	6
a Tynemouth	71	62	21st	40	16th	58·3	46·6	52·0	- 2·7	3	0·13	3
p Durham	336	64	21st	38	16th	60·1	44·1	51·5	- 4·2	2	0·06	2
a North .. p Rounton	249	64	21st	35	16th	60·4	43·3	51·3	- 3·9	6	0·22	6
a West Witton	605	62	21st	36	16th	58·3	44·3	50·8	—	6	0·32	8
p Scarborough	100	62	17th	44	16th	59·9	48·7	53·9	- 2·2	4	0·46	12
p York	56	64	21st	41	16th	61·3	46·3	53·3	- 4·6	6	0·55	14
a Spurn Head	26	62	21st	44	16th	59·3	49·1	53·8	- 2·7	2	0·02	1
b, South .. a Lincoln	58	67	20th	40	16th	62·8	47·3	54·5	- 4·0	4	0·19	5
a Fulbeck	180	67	20	39	16	62·7	46·2	53·8	-4·2	5	0·73	4
3. ENGLAND, E. p Cromer	196	65	18th	40	16th	62·0	46·6	53·8	- 2·9	5	0·14	4
a Little Massingham	280	66	20, 21	37	16th	63·0	44·3	53·0	- 4·8	6	0·34	9
a Yarmouth	13	68	20th	40	16th	62·6	48·1	54·9	- 2·3	6	0·26	7
a Norwich	93	67	19–21	39	17th	64·0	46·7	54·8	- 3·3	6	0·31	8
a Geldeston	37	68	20th	36	17th	63·7	45·0	53·7	- 3·9	6	0·99	25
p Cambridge	41	67	20th	36	16, 17	63·4	45·1	53·6	- 5·2	4	1·03	26
a Clacton-on-Sea	54	67	20th	41	17th	63·4	49·4	55·9	- 1·9	4	0·45	11
a Rothamsted	424	65	20th	37	16th	61·4	45·7	53·0	- 4·7	6	0·29	7
p Tottenham	51	68	20, 21	39	17th	64·4	48·1	55·7	—	5	0·59	15
4. MIDLAND COUNTIES. a North .. a Harrogate	479	60	18th	37	16th	58·7	44·4	51·1	- 4·4	7	0·39	10
p Sheffield	429	63	20th	42	16th	58·7	47·6	52·8	—	5	0·30	8
p Buxton	987	58	20, 21	39	16	55·6	44·9	49·9	—	5	0·01	36
b, East .. a Bawtry	65	64	21st	39	16th	61·6	45·4	52·9	- 4·8	4	0·19	5
a Nottingham	82	65	20th	40	16th	61·4	48·1	54·3	- 3·4	4	0·20	5
p Birmingham, Edgbsn.	535	62	20th	41	16th	59·1	46·4	52·3	- 5·2	6	0·31	8
a Raunds	203	68	20th	36	16th	63·9	44·6	53·6	- 4·5	4	0·19	5
p Oxford	208	65	20th	39	16th	62·6	46·7	54·1	- 4·4	4	0·65	17
c, West .. a Cheadle (N. Staffs.)	646	61	20, 21	41	16th	58·4	46·1	51·8	- 4·3	5	1·00	25
p Shrewsbury	191	64	19th	39	16, 17	61·3	44·7	52·4	- 5·1	6	0·43	11
a Hereford	291	65	17, 19, 22	38	16th	63·7	45·1	53·8	- 4·1	3	0·30	8
a Clifton	229	65	19th	45	16th	61·9	49·6	55·3	- 4·3	2	0·76	19
5. ENGLAND, S.E. a Marlborough	424	66	22nd	34	18th	62·3	41·9	51·4	- 5·2	3	0·57	14
p Salisbury (Wilton)	180	68	20th	36	16th	63·4	45·6	53·9	- 4·5	4	0·80	20
a Wisley, Surrey	150	70	17th	37	17th	65·6	46·3	55·3	- 2·9	4	0·70	18
a Tunbridge Wells	354	69	20th	37	17th	64·1	47·0	55·0	- 2·9	4	0·33	8
a Margate	51	66	20, 21	44	16, 17	63·9	50·4	56·7	- 1·6	2	0·13	3
a Dungeness	21	69	22nd	41	17th	63·4	49·9	56·2	- 1·3	2	0·20	5
p St. Leonards	178	66	21, 22	44	16, 17	62·7	49·9	56·9	- 2·1	4	0·50	13
p Southampton	64	67	19, 20	41	17th	63·1	47·9	55·0	- 4·8	4	0·79	20
a Ventnor	59	66	22nd	46	16th	62·4	50·6	56·1	- 2·6	2	0·61	16
LONDON. p Richmond (Kew Obs.)	18	67	20th	41	17th	64·0	48·9	55·9	- 3·3	5	0·63	16
a Westminster	27	69	20th	41	17th	64·6	49·0	56·3	- 3·4	5	0·63	15
ag Greenwich	149	73	20th	37	17th	67·3	47·6	56·8	- 3·2	6	0·43	11
a Hampstead	450	66	20, 21	36	17th	62·4	46·1	53·7	—	5	0·58	15
ag Camden Square	110	73	21st	41	17th	67·9	48·3	57·4	- 3·5	5	0·67	17
7. a, ENGLAND, N.W. p Aspatria (Mealsgate)	487	59	19th	41	16, 18	57·0	44·6	50·4	- 5·6	6	0·81	21
p Newton Rigg	550	58	19, 21, 22	40	16th	56·7	44·0	49·9	- 5·8	6	0·47	12
p Stonyhurst	375	62	19th	39	16th	57·9	47·4	52·3	- 4·1	5	0·68	17
p Blackpool	60	62	19th	47	17th	58·6	50·0	54·0	- 2·6	5	0·34	9
a Southport	37	62	19th	46	17th	58·0	49·6	53·5	- 3·5	6	0·69	18
a Liverpool (Bidston)	188	61	21st	45	18th	57·3	48·0	52·3	- 5·3	6	0·60	15
a Hawarden Bridge	22	64	21st	43	18th	58·9	48·9	53·6	- 4·6	5	0·83	21
p Manchester (Whit. Pk.)	125	61	21st	42	16th	58·6	47·7	52·8	- 5·7	6	0·57	15
1. NORTH WALES. p Llandudno	16	61	19, 21	44	18th	57·6	48·7	52·8	- 4·8	5	0·37	9
a Holyhead	1	62	21st	43	16th	58·9	48·7	53·0	- 3·1	5	1·02	26
a Beddgelert	309	61	19th	41	18th	57·1	44·9	50·6	-	6	1·47	37
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	4·2	- 0·7	23	•	•	•	•	•	•
Stornoway	6·1	+ 0·7	34	•	•	•	•	•	•
Castlebay	4·8	—	27	•	•	•	•	•	•
Fort Augustus	2·6	- 1·6	15	•	•	•	•	•	•
Nairn	4·3	—	24	•	•	•	•	•	•
Gordon Castle	3·9	—	22	•	•	•	•	•	•
Aberdeen	4·8	- 0·7	27	0	38	•	•	52·5	+1·8
Balmoral	•	•	•	0	35	•	•	•	•
Crathes	3·1	- 2·2	18	0	36	55·3	- 0·5	53·2	+1·3
Dundee	4·6	—	26	1	30	55·7	•	•	•
Leith	•	•	•	0	39	•	•	•	•
Edinburgh	3·8	- 1·8	22	0	35	•	•	•	•
West Linton	2·5	—	14	0	32	•	•	•	•
Marchmont	4·1	- 1·6	24	•	•	•	•	•	•
Ford (Argyll)	•	•	•	1	28	57·2	—	53·8	•
Glasgow	3·2	- 1·6	18	0	34	•	•	•	•
Rothesay	4·5	—	26	0	37	55·4	•	53·0	0·0
Kilmarnock	3·9	—	23	•	•	55·6	•	53·2	•
Colmonell	•	•	•	0	38	•	•	•	•
Dumfries	2·5	—	15	0	31	56·4	- 3·2	55·8	•
Eskdalemuir	2·5	—	14	0	32	•	•	•	•
Douglas	4·0	- 2·5	24	0	36	•	•	•	•
Cockle Park	4·8	- 0·8	28	0	34	52·8	- 3·6	52·1	- 0·8
Durham	4·4	- 1·0	26	0	31	•	•	•	•
Rounton	•	•	•	1	28	55·9	•	•	•
West Witton	•	•	•	0	32	55·9	•	51·9	•
Scarborough†	5·2	- 0·3	31	•	•	•	•	47·9	•
York	4·0	- 1·6	24	•	•	56·6	- 0·8	54·5	+1·0
Spurn Head	6·5	—	38	•	•	•	•	•	•
Lincoln	•	•	•	•	•	56·6	- 2·7	54·4	+0·1
Rauceby	5·5	- 0·8	33	•	•	60·8	- 0·7	55·8	+0·6
Skegness	7·1	- 0·4	43	•	•	•	•	•	•
Cromer	7·0	+ 0·7	42	•	•	•	•	•	•
Lit. Massingham	5·7	- 0·5	34	•	•	•	•	•	•
Yarmouth	7·2	—	43	0	39	59·3	- 3·3	56·4	- 1·4
Norwich	6·7	—	40	0	32	59·0	•	•	•
Geldeston	5·6	- 1·1	34	•	•	•	•	•	•
Cambridge	5·3	- 1·2	32	0	33	58·9	- 2·0	56·1	- 0·6
Clacton	7·9	+ 0·8	48	0	35	59·3	- 0·1	56·9	+0·3
Rothamsted	5·6	- 0·8	34	1	29	56·5	•	•	•
Tottenham	6·0	—	37	0	38	•	•	56·6	- 1·2
Harrogate	5·0	- 1·0	30	1	30	54·3	- 1·0	53·9	+0·7
Sheffield	4·2	- 1·2	25	0	37	55·9	- 0·8	52·7	+0·9
Buxton	2·6	—	16	0	36	54·2	- 2·8	52·6	+2·2
Worksop	4·4	- 0·8	26	1	27	56·7	•	54·7	•
Nottingham	3·6	- 1·9	22	0	32	57·9	- 1·4	55·8	+0·8
Birmingham	2·9	- 1·8	17	0	31	51·5	- 2·5	50·4	- 0·1
Raunds	5·4	—	33	2	26	58·8	•	53·9	•
Oxford	4·9	- 1·2	30	0	31	•	•	•	•
Cheadle	•	•	•	0	36	•	•	•	•
Shrewsbury	•	•	•	0	31	•	•	•	•
Malvern	5·2	—	31	0	39	58·0	•	•	•
Clifton	4·7	—	29	0	42	•	•	57·1	•
Worthing	7·2	- 0·2	44	0	36	59·3	- 2·6	56·6	- 0·5
Marlborough	4·0	- 1·9	24	3	28	56·9	•	54·6	•
Salisbury	•	•	•	0	32	59·8	•	•	•
Wisley	6·6	- 0·1	40	2	28	57·2	- 3·3	54·4	- 2·0
Tunbridge Wells	6·0	- 0·7	37	2	28	57·8	- 3·6	55·3	•
Margate	7·7	+ 1·4	47	0	39	62·1	+2·5	59·1	+3·0
Folkestone	6·6	—	40	•	•	•	•	52·5	•
St. Leonards	7·7	+ 0·3	47	0	34	61·4	•	56·9	•
Southampton	4·5	- 2·4	28	1	30	•	•	•	•
Ventnor	5·5	- 1·4	34	•	•	•	•	•	•
Richmond	6·2	- 0·1	38	1	30	57·7	- 2·2	55·0	- 0·4
Westminster	5·3	- 0·3	32	0	35	•	•	•	•
Greenwich	6·5	- 0·2	40	2	26	•	•	•	•
Hampstead	6·1	—	37	0	32	•	•	•	•
Camden Square	4·9	- 0·9	30	0	39	•	•	•	•
Aspatria	2·2	- 3·7	13	0	37	54·7	- 3·5	52·7	+0·1
Newton Rigg	2·5	- 3·5	15	0	32	55·4	- 2·4	52·9	+0·3
Stonyhurst	2·5	- 2·9	15	0	33	•	•	•	•
Blackpool	3·0	- 3·8	18	0	43	57·2	•	53·2	•
Southport	3·9	- 2·4	23	0	41	59·4	- 1·7	58·3	+0·8
Hoylake	2·7	- 3·2	16	•	•	•	•	•	•
Liverpool	2·7	—	16	0	40	•	•	•	•
Manchester (City)	2·4	- 2·5	14	0	36	56·8	- 1·7	57·0	+1·5
Whitworth Park	2·3	- 2·4	14	•	•	•	•	•	•
Llandudno	2·7	- 3·6	16	•	•	•	•	•	•
Holyhead	4·8	—	29	0	41	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.		°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	61	19th	46	18th	58·0	49·4	53·4	—	4	0·34	9	—	Aberystwyth ..	hr. 3·7	hr. - 2·2	% 22	•	•	•	•	•
a Rhayader	767	62	19	34	18	58·7	40·4	48·1	—	4	0·50	13	—	Rhayader ..	3·6	—	22	2°	26°	•	•	•
a St. Ann's Head	149	61	19th	46	16th	56·4	50·0	53·0	- 2·8	3	0·38	10	- 2	St. Ann's Head	4·5	- 2·1	27	•	•	•	•	•
p Cardiff	202	64	22nd	40	16th	59·1	46·1	52·2	- 5·5	4	1·39	35	+ 19	Cardiff	4·4	—	27	0	33	57·1	- 3·2	55·5	- 0·5
b. ENGLAND, S.W.																						
a Bath	66	65	22nd	40	18th	61·7	47·6	54·2	- 3·9	2	0·53	13	- 1	Bath	•	•	•	•	•	59·1	- 1·2	57·2	+0·3
a Shaftesbury	722	62	20th	41	16th	59·9	47·0	53·0	- 3·7	4	0·57	14	0	Shaftesbury ..	•	•	•	•	•	57·1	•	55·9	•
a Arlington	618	62	19th	41	18th	58·4	46·4	52·0	- 4·0	3	0·80	20	0										
a Hartland Quay ..	100	59	19, 22	51	16–18	57·4	52·4	54·7	—	4	0·79	20	—										
a Newquay	190	61	20th	44	16th	58·6	49·7	53·8	- 3·1	4	0·50	13	+ 1	Newquay ..	5·2	- 1·3	32	0	38	59·7	•	56·4	•
a Cullompton	202	68	19th	37	16, 18	64·0	45·0	53·8	- 4·1	4	0·80	20	+ 7	Cullompton ..	4·8	- 1·1	29	0	31	60·0	•	•	•
a Portland Bill	19	61	17, 22	49	17th	58·7	51·9	55·1	- 1·9	2	0·41	10	+ 2	Weymouth ..	5·4	—	33	•	•	•	•	•	•
p Plymouth	116	65	20th	45	16th	61·1	49·9	55·1	- 3·2	5	0·85	22	+ 9	Plymouth ..	5·7	- 0·8	35	0	40	59·2	- 1·5	57·0	•
a Falmouth	167	65	22nd	43	16th	62·0	48·1	54·6	- 2·8	2	0·11	3	- 11	Falmouth ..	6·7	- 0·1	42	0	33	61·3	•	59·2	•
										3	3											
9. IRELAND, N.																						
West .. *a* Malin Head	208	57	19th	43	18, 22	54·0	46·0	49·7	- 4·8	7	0·40	10	- 6	Malin Head ..	2·3	—	13	•	•	•	•	•	•
a Blacksod Point ..	327	62	21st	43	16, 17	56·3	46·6	51·1	- 4·9	6	1·06	27	+ 7	Markree Castle	3·8	- 1·5	22	0	32	57·4	-1·7	54·9	+1·0
p Markree Castle ..	122	62	19, 21	39	16, 17	58·6	45·6	51·7	- 3·6	6	0·80	20	- 2										
b, East .. *p* Armagh	196	63	19th	39	16th	59·0	46·1	52·1	- 3·9	6	0·33	9	- 8	Armagh	2·9	- 2·5	17	0	31	56·3	-1·9	54·2	-0·3
a Donaghadee	101	62	21st	43	16th	56·9	47·1	51·7	- 3·6	5	0·32	8	- 9										
10. IRELAND, S.																						
p Dublin, City	47	65	21st	42	16th	60·4	48·9	54·3	- 3·6	6	0·28	7	- 9	Trinity Coll. ..	•	•	•	—	—	—	—	—	—
a Birr Castle	175	63	19th	37	16th	59·7	45·7	52·2	- 4·3	6	0·55	14	- 5	Phœnix Park ..	2·3	- 3·6	14	0	32	•	•	•	•
a Kilkenny	212	64	21st	37	16th	60·7	46 1	52·9	- 3·9	6	0·81	21	+ 1	Dublin City ..	•	•	•	0	38	•	•	•	•
a Waterford	20	65	21st	41	16th	61·4	47·3	53·9	- 3·6	4	1·70	43	+ 22	Birr Castle ..	3·4	- 1·7	20	1	29	•	•	•	•
p Seskin, Carrick-on-Suir	541	63	20, 21	39	16th	59·7	45·1	51·9	—	6	1·02	26	—	Seskin	4·3	—	26	0	37	•	•	•	•
a Cahir	199	63	19, 21	38	16th	60·9	46·7	53·3	- 3·5	6	0·78	20											
a Foynes	50	61	19th	42	16th	59·0	48·1	53·2	- 3·9	6	0·66	17	- 4										
a Cahirciveen (Val. Obs.)	30	59	19, 21	46	16th	57·6	50·1	53·6	- 3·1	6	1·34	34	+ 8	Cahirciveen ..	4·6	- 1·2	28	0	42	•	•	•	•
a Killarney	174	64	19th	40	16th	61·7	47·9	54·3	- 2·8	5	1·11	28	+ 5	Ballinacurra ..	6·6	+ 0·6	40	•	•	•	•	•	•
a Roche's Point	32	63	20, 21	43	16th	61·3	48·6	54·5	- 2·4	6	0·67	17	- 4										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	62	19, 20, 22	45	16th	60·9	50·3	55·2	- 2·3	4	0·53	14	+ 3	Scilly	6·2	- 1·0	39	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	63	20th	44	17th	60·4	49·1	54·4	- 4·7	3	0·24	6	- 7	St. Heliers ..	7·2	- 0·3	45	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	64	17, 19	45	17th	61·4	49·7	55·1	- 3·6	3	0·22	6	- 6	Guernsey† ..	7·7	+ 0·1	48	0	32	59·1	-2·2	58·1	+0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 22nd, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	16, 20, 21	13	79	65	11	0	337	13	16	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	120	43	0	304	7	22	15	17	22	14	40
Aberdeen	153	105	52	—	—	22	3	48	91	26	0	293	12	22	15	20	22	12	25
Edinburgh	485	39	31	—	—	21, 22	11	55	53	49	0	304	13	22	14	19	22	14	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	21, 22	15	43	61	49	0	293	15	22	10	24	22	10	40
Paisley	188	81	15	—	—	—	—	37	92	39	0	337	10	22	11	24	22	14	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	14	89	65	0	315	9	22	16	19	22	16	30
South Shields	72	61	12	—	—	22	14	27	75	39	13	293	13	22	9	21	22	8	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	22	5	51	102	10	0	293	13	22	14	—	—	—	—
Gorleston	52	42	‡	—	—	18, 19, 22	14	88	64	2	0	293	15	22	16	23	22	12	20
Shoeburyness	103	90	‡	—	—	18, 22	6	73	81	8	0	270	13	22	12	21	22	11	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	40	92	36	0	293	9	22	13	18	22	12	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	25	139	4	0	—	8	18	13	15	22	11	5
Brighton	281	58	6	—	—	—	—	65	80	23	0	—	10	22	12	17	22	13	5
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	22	9	71	48	21	19	247	13	22	10	21	22	14	25
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	18	92	58	0	281	9	22	12	18	22	12	0
S. Kensington	123	92	30	—	—	—	—	5	110	53	0	270	8	22	10	15	22	12	35
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	22	1	21	51	95	0	293	11	22	9	22	22	9	40
Fleetwood (Cup Anr.) ..	109	44	—	22	15	20 to 22	26	52	67	8	0	281	25	22	9	—	—	—	—
Southport	80	62	48	22	6	20 to 22	35	71	50	6	0	270	20	22	9	27	22	8	45
Holyhead	60	40	‡	—	—	22	20	88	55	5	0	281	15	22	6	24	22	5	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	18, 20, 21	8	53	69	38	0	203	15	18	14	20	18	13	0
Plymouth	185	88	2	—	—	18	8	31	99	30	0	—	14	18	16	19	18	16	40
Lyme Regis ..	558	61	‡	—	—	21, 22	5	52	70	37	4	—	14	22	3	18	22	2	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	18, 20 to 22	34	73	58	3	0	281	16	22	8	—	—	—	—
Quilty	100	40	‡	—	—	16, 19 to 22	50	91	20	7	0	—	14	22	7	19	21	14	50
Cahirciveen (Val. Obs.)	98	41	‡	—	—	18	2	109	54	3	0	185	12	18	4	20	18	4	15
Weaver Pt.	160	30	‡	—	—	21, 22	3	58	88	16	3	—	11	22	16	18	21	16	0
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	21 22	8	80	71	9	0	337	12	21	24	17	21	23	45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.R.]
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating th ese District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1918—June 16th to June 22nd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	39	85·8	79·3	82·3	− 2·4	48	− 31	0	0	6	+ 2	0·87	22	+ 3	4·3	−0·4	24	1007
Eastern.																			
1. SCOTLAND, EAST ...	64	37	87·0	79·2	82·8	− 2·6	54	− 33	0	0	5	+ 1	0·38	10	− 6	4·1	−1·3	24	1007
2. ENGLAND, N.E.	67	35	88·6	80·9	84·5	− 1·9	75	− 23	0	0	4	+ 1	0·23	6	− 8	5·2	−0·7	31	1009
3. ENGLAND, EAST ...	68	36	90·3	81·1	85·4	− 2·0	86	− 26	0	0	5	+ 2	0·49	12	+ 1	6·3	−0·3	38	1010
4. MIDLAND COUNTIES ...	68	36	89·3	80·8	84·8	− 2·3	78	− 30	0	0	5	+ 2	0·44	11	− 3	4·2	−1·6	26	1010
5. ENGLAND, S.E.	70	34	90·5	81·8	85·8	− 1·8	92	− 22	0	0	3	0	0·53	13	+ 2	6·2	−0·7	38	1011
Western.																			
6. SCOTLAND, WEST ...	68	35	87·6	80·2	83·6	− 2·5	64	− 32	0	0	6	+ 2	0·70	18	− 4	3·6	−2·1	21	1008
7. ENGLAND, N.W.	64	39	87·3	81·6	84·3	− 2·4	72	− 31	0	0	6	+ 2	0·65	17	− 1	2·7	−3·1	16	1010
8. ENGLAND, S.W.	68	37	88·6	81·9	85·1	− 1·8	82	− 24	0	0	3	− 1	0·65	16	+ 2	5·1	−1·1	31	1013
9. IRELAND, NORTH ...	63	37	87·1	80·9	83·8	− 2·3	66	− 29	0	0	6	+ 1	0·58	15	− 5	3·4	−2·0	20	1010
10. IRELAND, SOUTH ...	65	37	88·7	81·7	85·0	− 1·9	81	− 24	0	0	5	+ 1	0·88	22	+ 1	3·4	−2·2	21	1013
11. ENGLISH CHANNEL ...	64	44	89·1	82·8	85·7	− 1·9	90	− 24	0	0	3	0	0·33	9	− 3	7·0	−0·4	44	1015

THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, June 2nd to June 22nd, 1918.

0. SCOTLAND, NORTH ...	76	27	87·1	80·0	83·3	− 0·9	179	− 39	0	− 1	15	+ 4	2·83	72	+ 25	5·5	+0·2	31	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	34	89·0	79·7	84·0	− 0·8	207	− 35	0	0	10	0	0·91	24	− 14	6·8	+0·9	39	1014
2. ENGLAND, N.E.	80	35	90·2	81·2	85·4	− 0·2	259	− 7	0	0	7	− 2	0·44	11	− 24	6·9	+0·8	41	1017
3. ENGLAND, EAST ...	79	34	91·2	81·1	85·8	− 0·8	275	− 30	0	0	8	− 1	0·69	17	− 19	7·5	+0·8	46	1017
4. MIDLAND COUNTIES ...	81	35	91·2	80·9	85·8	− 0·7	271	− 31	0	0	9	0	0·81	21	− 17	6·5	+0·4	39	1018
5. ENGLAND, S.E.	82	34	91·5	81·8	86·3	− 0·7	293	− 28	0	0	7	− 2	0·92	23	− 12	7·4	+0·4	46	1018
Western.																			
6. SCOTLAND, WEST ...	80	35	89·5	80·9	84·9	− 0·8	240	− 33	0	0	13	+ 3	1·80	46	− 5	6·4	0·6	37	1016
7. ENGLAND, N.W.	77	39	89·5	81·9	85·4	− 0·8	260	− 28	0	0	11	+ 1	1·58	41	+ 1	6·5	−0·1	39	1018
8. ENGLAND, S.W.	81	36	90·5	82·1	86·0	− 0·6	282	− 22	0	0	7	− 3	1·21	31	− 11	7·9	+1·2	49	1020
9. IRELAND, NORTH ...	80	37	89·4	81·8	85·4	− 0·3	258	− 11	0	0	14	+ 2	1·54	39	− 9	5·8	+0·1	35	1017
10. IRELAND, SOUTH ...	84	37	90·8	82·4	86·4	− 0·1	296	− 6	0	0	11	+ 1	1·63	41	− 6	6·6	+0·8	40	1020
11. ENGLISH CHANNEL ...	75	44	90·5	83·4	86·7	− 0·4	309	− 14	0	0	8	− 1	0·54	15	− 18	8·8	+1·1	55	1021

THE YEAR 1918.—Aggregates, &c., for the Period of 25 Weeks, December 30th, 1917, to June 22nd, 1918.

0. SCOTLAND, NORTH ...	76	5	82·3	76·2	79·2	+ 0·3	701	+ 41	514	− 25	109	− 6	21·71	548	− 29	3·3	−0·2	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	82·9	75·5	79·1	+ 0·1	766	+ 10	617	0	91	− 7	11·08	280	− 51	3·6	−0·4	29	1015
2. ENGLAND, N.E.	83	9	83·7	77·0	80·2	+ 0·5	949	+110	394	− 78	82	− 7	8·77	222	− 35	3·9	−0·3	31	1016
3. ENGLAND, EAST ...	81	14	84·4	76·7	80·4	+ 0·3	1026	+ 23	411	− 83	77	−10	9·67	246	− 6	4·5	0·0	36	1017
4. MIDLAND COUNTIES ...	84	12	84·9	75·8	80·7	+ 0·6	1107	+ 83	402	−120	77	− 9	10·52	267	− 19	3·8	−0·2	31	1017
5. ENGLAND, S.E.	83	15	84·9	77·4	81·0	+ 0·2	1135	+ 46	353	− 26	75	−10	10·69	271	− 13	4·6	0·0	37	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	83·8	76·9	80·2	+ 0·3	932	+ 69	374	− 42	96	− 8	18·63	474	− 34	3·9	−0·1	31	1016
7. ENGLAND, N.W.	84	12	84·2	77·7	80·9	+ 0·7	1040	+127	280	−102	84	− 9	12·95	331	− 28	4·2	+0·1	34	1016
8. ENGLAND, S.W.	82	16	84·7	78·0	81·4	+ 0·5	1132	+ 80	256	− 45	79	−14	13·81	353	− 53	4·7	+0·2	38	1017
9. IRELAND, NORTH ...	80	18	84·3	77·7	80·9	+ 0·5	1045	+123	277	− 63	101	−12	14·18	360	− 53	3·9	0·0	31	1014
10. IRELAND, SOUTH ...	84	19	85·3	78·4	81·8	+ 0·6	1244	+130	217	− 43	97	− 3	17·01	430	− 13	4·3	+0·2	35	1016
11. ENGLISH CHANNEL ...	81	26	85·2	79·7	82·3	+ 0·1	1299	+ 53	91	− 14	83	−15	9·68	247	− 91	5·5	+0·3	45	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F	day-deg. F	day-deg. F	day-deg. F			inches.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: June 27th, 1918.

ARS.
1018.7.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 26.

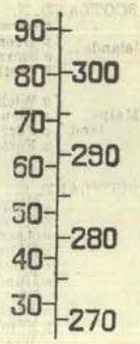
THE TWENTY-SIXTH WEEK OF 1918.

SUNDAY, JUNE 23RD, TO SATURDAY, JUNE 29TH, 1918.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was high throughout the week over Ireland and the adjacent part of the Atlantic, and low over or to the eastward of the North Sea. North-Westerly winds, which increased at times to gale force, and cool, dry weather prevailed generally. The highest maxima, which ranged between 292 a. and 296 a., occurred on Saturday in nearly all places; earlier in the week at many stations in District 7 (England North-West and North Wales) there was a sequence of four or five days with maxima below 289 a. At Gordon Castle on the 25th temperature did not exceed 283 a., and at Balmoral on the same day it was no higher than 282 a. Minima of 273 a. in the screen were recorded at Marlborough and Rhayader, 271 a. at Durham and 270 a. at West Linton, while on the grass the lowest readings were 273 a. at Falmouth, 271 a. or 270 a. over a large part of Great Britain and at Phœnix Park, Dublin, 269 a. at West Linton and 267 a. at Rhayader. Rainfall was deficient in all districts, although there were thunderstorms, mostly on the 25th, over the country lying between North Lancashire and Norfolk, with measurements ranging up to 16mm., and at Felixstowe on the 25th there was another, when 24mm. fell; hail fell at isolated places and thunder occurred singly at others. (The deficiency of rainfall has been almost continuous for the last seven weeks. For example, the general average for District 5, England South-East, has been 39mm. as compared with a normal of 77mm.) Bright sunshine was below normal in the north and east, and above it in the south and west. At Guernsey 14½ hours or more was registered on four days, the daily mean for the week being 12 hours. Solar halos were observed on the 27th at Aberdeen, Oxford and near Tunbridge Wells, at the two latter places it was described as complete and bright, and also at Little Massingham, Norfolk, on the 29th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	3	1·4	4	1·1	4	1·2	1	0·3	2	2·5	0	—	1	2·5	2	2·0
North	23	5·3	16	3·8	19	2·7	16	2·1	23	3·9	26	3·2	13	3·7	19	2·7
West	27	6·0	21	4·8	17	3·2	19	2·3	24	4·1	10·	2·6	16	6·2	16	2·5
East	0	—	2	1·6	8	1·5	3	1·8	0	—	13	3·4	3	2·3	5	3·2
Calm	1	—	3	—	3	—	6	—	0	—	0	—	5	—	7	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Light	Light	Light	Moderate	Light	Light	Very light	Light	Light	Very light	Light	Light
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 4 weeks from June 2nd, 1918.	Warmth ...	1, 0, 3	0, 1, 3	1, 1, 2	0, 2, 2	0, 2, 2	0, 2, 2	1, 0, 3	1, 0, 3	1, 0, 3	1, 0, 3	1, 0, 3	1, 1,
	Rainfall ...	1, 2, 1	0, 2, 2	0, 1, 3	0, 2, 2	0, 1, 3	0, 2, 2	0, 3, 1	0, 3, 1	0, 2, 2	0, 3, 1	1, 2, 1	0, 2, 2
	Sunshine ...	1, 1, 2	1, 2, 1	1, 3, 0	1, 3, 0	1, 2, 1	2, 2, 0	2, 1, 1	2, 0, 2	2, 1, 1	2, 1, 1	1, 2, 1	2, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:— Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

(18153–19.) Wt. 199—789. 625. 7/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a. Islands .. *a* Lerwick	54	54	29th	41	24-26	50·3	42·0	45·9	− 5·6	2	0·06	1	− 19									
p Deerness	160	59	29th	42	23, 28	54·4	44·1	48·9	—	1	0·16	4	− 8	Deerness ..	2·3	− 2·4	13	•	•	•	•	•	•
a Stornoway	31	61	29th	44	24-26	55·1	46·9	50·7	− 3·1	5	0·19	5	− 10	Stornoway ..	1·4	− 3·7	8	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	57	26,28,29	45	25th	55·7	48·0	51·6	—	6	0·20	5	—	Castlebay ..	3·9	—	22	•	•	•	•	•	•
b. Main- *a* Wick	81	59	29th	42	24th	54·3	45·0	49·3	− 4·1	4	0·26	7	− 5									
land. *p* Glencarron	500	60	28th	42	25th	54·1	45·4	49·5	− 4·8	4	0·39	10	− 16									
p Fort Augustus.. ..	88	66	28th	43	24th	60·8	46·3	53·0	− 2·7	0	0·00	0	− 13	Fort Augustus..	5·1	+ 1·2	29	•	•	•	•	•	•
p Fort William ..	171	62	28th	44	24th	59·4	47·1	52·8	− 3·9	2	0·11	3	− 20									
1. SCOTLAND, E.																						
a Nairn	82	72	29th	43	23-25	59·4	45·9	52·2	− 3·7	5	0·29	7	− 4	Nairn	4·3	—	24	•	•	•	•	•	•
p Gordon Castle ..	101	72	29th	44	23-26	58·7	46·9	52·4	− 3·7	6	0·47	12	− 1	Gordon Castle..	3·3	—	19	•	•	•	•	•	•
a Aberdeen	46	65	29th	43	25th	58·0	47·0	52·1	− 3·4	4	0·25	6	− 5	Aberdeen ..	4·1	− 2·2	23	0	40	•	•	52·1	+0·7
a Balmoral	930	68	29th	39	25th	56·7	43·0	49·4	− 4·7	4	0·45	11	0	Balmoral ..	•	•	•	0	33	•	•	•	•
p Crieff	432	72	29th	36	25th	62·6	42·7	52·0	− 5·5	2	0·03	1	− 13	Crathes	3·0	− 3·0	17	0	32	55·3	−1·2	53·1	+0·6
a Dundee	244	72	29th	37	25th	63·4	44·3	53·2	− 4·1	1	0·02	1	− 10	Dundee	6·7	—	39	1	29	55·4	•	•	•
a Leith	30	71	29th	41	25th	62·1	46·9	54·0	− 3·7	1	0·04	1	− 9	Leith	•	•	•	0	35	•	•	•	•
p Edinburgh	441	69	29th	39	25th	61·9	46·0	53·4	− 2·5	1	0·04	1	− 10	Edinburgh ..	7·2	+ 0·8	42	0	36	•	•	•	•
a West Linton ..	769	64	29th	27	25th	59·0	39·3	48·5	− 5·6	1	0·05	1	—	West Linton ..	5·0	—	35	2	34	•	•	•	•
p Marchmont	498	70	29th	38	25th	61·4	45·0	52·6	− 3·2	1	0·03	1	− 12	Marchmont ..	6·6	+ 0·1	39	•	•	•	•	•	•
6, *a*. SCOTLAND, W.																						
a Ford (Argyll)	149	62	28, 29	40	25th	58·5	45·1	51·3	—	4	0·21	5	—	Ford (Argyll) ..	•	•	•	•	•	56·8	•	53·6	•
p Glasgow Observatory	180	66	29th	41	25th	61·4	46·4	53·4	− 3·7	3	0·08	2	− 13	Glasgow	7·0	+ 2·0	40	1	29	•	•	•	•
p Rothesay	200	65	28th	42	25th	59·0	45·1	51·6	− 5·2	3	0·06	2	− 17	Rothesay ..	8·1	—	47	0	38	56·4	•	53·0	−0·6
a Kilmarnock	90	68	29th	36	25th	64·0	44·3	53·5	− 2·7	1	0·01	0·3	− 15	Kilmarnock ..	7·0	—	41	•	•	55·4	•	53·0	•
a Colmonell	170	66	29th	43	28th	61·1	47·0	53·6	− 2·0	1	0·11	3	− 12	Colmonell ..	•	•	•	0	38	•	•	•	•
p Cally, Gatehouse ..	120	70	29th	38	26th	63·0	43·6	52·6	− 3·6	1	0·03	1	− 17	Dumfries	6·0	—	35	1	30	56·0	−3·7	55·1	−1·7
p Dumfries	160	69	29th	41	25th	62·1	45·9	53·4	− 4·0	1	0·06	2	− 13	Eskdalemuir ..	6·1	—	36	1	27	•	•	•	•
a Eskdalemuir	794	68	29th	32	25th	59·4	41·4	49·8	—	2	0·05	1	—									
b. I. OF M. *p* Douglas	277	65	29th	45	25, 26	58·6	47·3	52·6	− 3·9	2	0·09	2	− 13	Douglas	8·3	+ 1·5	49	0	40	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	73	29th	39	25th	63·4	45·4	53·8	− 2·7	0	0·00	0·1	− 13									
a Tynemouth	71	72	29th	42	25th	60·0	46·1	52·6	− 3·8	2	0·09	2	− 10	Cockle Park ..	7·4	+ 1·4	43	0	38	54·3	−2·6	52·2	−1·3
p Durham	336	73	29th	29	25th	63·4	43·1	52·5	− 4·0	4	0·07	2	− 10	Durham	5·3	− 0·5	31	1	27	•	•	•	•
a North .. *p* Rounton	249	74	29th	37	25th	62·6	43·7	52·5	− 4·3	4	0·06	1	− 14	Rounton	•	•	•	1	30	55·6	•	•	•
a West Witton	605	72	29th	38	25th	62·6	44·9	53·1	—	2	0·09	2	—	West Witton ..	•	•	•	0	34	55·3	•	51·7	•
p Scarborough	100	65	26, 29	46	28th	61·4	49·0	54·8	− 3·0	1	0·02	1	− 10	Scarborough† ..	7·0	+ 1·0	41	•	•	•	•	48·0	•
p York	58	72	29th	43	23, 26	63·6	46·9	54·7	− 4·7	2	0·05	1	− 12	York	5·2	− 0·8	31	•	•	56·3	−1·6	54·3	+0·1
a Spurn Head	26	61	29th	46	23, 25	57·6	48·0	52·5	− 5·7	0	0·00	0·1	− 9	Spurn Head ..	3·7	—	22	•	•	•	•	•	•
b. South .. *a* Lincoln	58	73	29th	43	26, 27	63·7	46·0	54·2	− 5·8	2	0·67	17	+ 5	Lincoln	•	•	•	•	•	55·6	−4·0	54·4	−0·7
a Fulbeck	180	74	29th	38	25th	65·0	44·0	53·8	− 5·8	3	0·26	7	− 5	Rauceby	6·1	− 0·8	37	•	•	59·2	−2·4	56·0	−0·1
														Skegness	6·4	− 0·8	38	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	65	28, 29	43	23, 26	60·6	46·4	53·0	− 5·6	2	0·32	8	− 3	Cromer	7·3	+ 0·2	44	•	•	•	•	•	•
a Little Massingham ..	280	69	29th	40	25th	61·7	43·3	51·9	− 7·6	2	0·29	7	− 6	Lit. Massingham	7·4	+ 0·5	45	•	•	•	•	•	•
a Yarmouth	13	66	28th	42	25th	61·3	45·9	53·1	− 6·0	3	0·39	10	− 1	Yarmouth ..	5·8	—	35	0	42	58·1	−4·7	56·4	−2·1
a Norwich	93	70	29th	43	25th	63·1	45·7	53·8	− 6·1	3	0·66	17	+ 5	Norwich	6·2	—	37	0	34	58·9	•	•	•
a Geldeston	37	68	29th	38	25th	63·0	43·4	52·5	− 6·9	3	0·19	18	+ 7	Geldeston ..	5·7	− 1·8	34	•	•	•	•	•	•
p Cambridge	41	71	29th	39	25th	65·1	43·3	53·4	− 7·1	2	0·03	1	− 10	Cambridge ..	5·9	− 1·4	38	0	34	57·7	−3·6	56·1	−1·3
a Clacton-on-Sea ..	54	66	27th	41	26th	62·4	46·0	53·6	− 6·1	1	0·08	2	− 7	Clacton	7·4	− 0·5	45	0	37	57·5	−2·5	56·9	−0·4
a Rothamsted	424	69	29th	39	26th	63·4	44·3	53·2	− 6·2	3	0·32	8	− 4	Rothamsted ..	7·7	+ 0·5	47	0	33	55·9	•	•	•
p Tottenham	51	71	29th	45	26th	66·0	49·0	56·9	—	2	0·04	1	—	Tottenham ..	8·7	—	53	0	42	•	•	57·0	−1·5
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	72	29th	41	25th	62·0	44·9	52·9	− 4·3	2	0·05	1	− 14	Harrogate ..	5·9	− 0·8	35	0	38	54·4	−1·4	53·8	0·0
p Sheffield	429	66	29th	43	25th	64·0	47·3	53·7	—	1	0·04	1	—	Sheffield	5·0	− 1·2	30	0	34	53·7	−1·6	52·8	+0·3
p Buxton	987	65	29th	40	26th	57·0	44·6	50·4	—	3	0·22	6	− 15	Buxton	4·7	—	28	0	39	53·7	−3·8	52·5	−0·1
a Bawtry	65	72	29th	42	25, 26	62·9	46·9	54·3	− 5·0	1	0·54	14	+ 2	Worksop	5·0	− 0·8	30	0	31	56·2	•	54·3	•
a Nottingham	82	73	29th	42	25th	63·9	46·3	54·5	− 5·0	0	0·00	0	− 13	Nottingham ..	4·8	− 1·4	29	0	35	57·0	−2·6	55·3	−0·4
b, East *p* Birmingham, Edgbsn.	535	71	29th	42	25th	62·3	46·9	54·1	− 5·1	2	0·03	1	− 13	Birmingham ..	5·0	− 0·3	30	0	34	52·0	−2·3	50·4	−0·5
a Raunds	203	72	29th	39	24, 25	66·3	43·3	54·0	− 6·0	4	0·06	1	− 12	Raunds	6·6	—	40	2	29	58·3	•	54·0	•
p Oxford	208	71	29th	40	25th	65·1	45·9	54·8	− 5·5	3	0·09	2	− 12	Oxford	8·0	+ 1·1	49	2	29	•	•	•	•
a Cheadle (N. Staffs.) ..	646	70	29th	42	26th	60·6	45·3	52·4	− 5·3	1	0·11	3	− 14	Cheadle	•	•	•	0	35	•	•	•	•
c, West .. *p* Shrewsbury	191	74	29th	40	26th	64·6	43·7	53·4	− 5·8	2	0·03	1	− 11	Shrewsbury ..	•	•	•	0	32	•	•	•	•
a Hereford	291	72	29th	37	25th	69·0	44·0	55·6	− 4·0	1	0·07	2	− 11	Malvern	9·1	—	55	0	39	58·1	•	56·9	•
a Clifton	229	73	29th	43	26th	66·6	48·6	57·0	− 4·4	0	0·00	0·1	− 18	Clifton	9·4	—	57	0	41	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	72	29th	32	25th	66·6	38·6	51·6	− 6·5	1	0·05	1	− 11	Worthing	9·9	+ 1·5	61	0	38	53·1	−3·4	56·6	−1·1
p Salisbury (Wilton) ..	180	73	29th	36	26th	67·3	41·9	53·7	− 6·4	2	0·06	2	− 9	Marlborough ..	8·3	+ 1·6	51	3	28	57·4	•	54·6	•
a Wisley, Surrey ..	160	72	29th	38	26th	66·4	42·9	53·8	− 6·1	1	0·04	1	− 8	Salisbury	•	•	•	0	33	59·4	•	•	•
a Tunbridge Wells ..	354	70	27-29	38	25th	66·7	44·0	54·6	− 5·1	1	0·06	2	− 8	Wisley	8·7	+ 1·2	53	2	28	57·2	−3·9	54·7	−2·5
a Margate	51	65	27th	46	25th	62·4	50·3	55·9	− 4·3	2	0·11	3	− 6	Tunbridge Wells	8·1	+ 0·5	49	2	30	58·1	−3·2	55·6	•
														Margate	7·9	+ 0·7	48	0	38	62·2	+1·8	59·4	+2·6
a Dungeness	21	71	23rd	40	25, 26	64·3	45·6	54·3	− 5·0	2	0·21	5	− 3	Folkestone ..	6·8	—	42	•	•	•	•	53·0	•
p St. Leonards	178	66	27th	42	26th	62·6	48·9	55·3	− 4·4	3	0·20	5	− 5	St. Leonards ..	9·1	+ 0·7	56	0	39	60·4	•	57·2	•
p Southampton	64	71	29th	41	26th	67·6	46·4	56·3	− 5·1	1	0·01	0·3	− 10	Southampton ..	9·5	+ 1·7	58	2	28	•	•	•	•
a Ventnor	59	67	29th	43	26th	63·3	48·4	55·3	− 5·1	1	0·11	3	− 6	Ventnor	9·9	+ 1·9	61	•	•	•	•	•	•
LONDON, *p* Richmond (Kew Obs.)	18	71	29th	43	26th	65·5	47·1	55·7	− 5·3	2	0·06	1	− 10	Richmond	8·9	+ 1·7	54	0	32	57·6	−2·8	55·0	−1·1
a Westminster	27	77	29th	43	25th	68·2	47·6	57·2	− 4·3	2	0·09	2	− 8	Westminster ..	8·6	+ 2·2	52	0	40	•	•	•	•
ag Greenwich	149	73	29th	40	25th	68·6	46·4	56·7	− 4·3	2	0·06	2	− 10	Greenwich	8·2	+ 1·3	50	2	26	•	•	•	•
a Hampstead	450	69	29th	39	26th	65·4	44·4	54·2	—	3	0·19	5	—	Hampstead	8·9	—	54	•	•	•	•	•	•
ag Camden Square ..	110	77	29th	42	26th	69·7	46·7	57·4	− 5·2	3	0·17	4	− 7	Camden Square	7·1	+ 0·6	43	0	39	•	•	•	•
7, *a*. ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	64	29th	38	25th	60·0	44·3	51·6	− 5·5	1	0·07	2	− 16	Aspatria	7·3	+ 0·9	43	0	34	54·9	−3·9	52·4	−0·8
p Newton Rigg	559	69	29th	36	25th	62·9	43·1	52·3	− 4·7	3	0·05	1	− 14	Newton Rigg ..	6·0	0·0	38	1	29	56·5	−2·8	52·4	−0·9
p Stonyhurst	375	65	29th	42	25-27	59·4	46·0	52·2	− 5·4	3	0·83	21	0	Stonyhurst ..	7·2	+ 1·2	43	0	34	•	•	•	•
p Blackpool	66	64	29th	45	26th	60·0	49·6	54·4	− 3·6	3	0·09	2	− 13	Blackpool	7·9	+ 0·7	47	0	34	57·4	•	53·5	•
a Southport	37	61	28, 29	45	26th	58·4	50·0	53·9	− 4·4	2	0·13	3	− 12	Southport	9·6	+ 2·6	57	0	36	59·7	−1·9	58·2	0.0
a Liverpool (Bidston) ..	188	63	29th	46	26th	58·6	49·3	53·6	− 5·3	2	0·12	3	− 12	Hoylake	7·6	+ 1·1	46	•	•	•	•	•	•
a Hawarden Bridge ..	22	73	29th	46	23rd	60·9	49·0	54·5	− 5·0	2	0·03	1	− 12	Liverpool	7·5	—	45	0	42	•	•	•	•
p Manchester (Whit. Pk.)	125	70	29th	45	25, 26	61·7	48·1	54·4	− 5·3	1	0·06	2	− 16	Manchester (City)	5·9	+ 0·7	35	0	42	56·5	−2·3	57·0	+0·9
														Whitworth Park	4·9	− 0·4	29	•	•	•	•	•	•
b. NORTH WALES.																						
p Llandudno	16	65	29th	44	29th	59·1	48·9	53·6	− 5·4	2	0·16	4	− 10	Llandudno	8·7	+ 1·8	52	•	•	•	•	•	•
a Holyhead	10	63	29th	42	28, 26-27	59·9	50·7	55·0	− 2·4	1	0·04	1	− 14	Holyhead	8·5	—	51	0	25	•	•	•	•
a Beddgelert	309	67	29th	44	29th	59·6	46·4	52·5	..	4	0·54	14	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.		%			°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	65	29th	42	26th	58·3	49·7	53·7	—	2	0·03	1	—	Aberystwyth ..	7·7	+ 1·1	46	•	•	•	•	•	•
a Rhayader	757	70	29th	32	26th	59·4	43·4	50·8	—	2	0·02	1	—	Rhayader ..	7·9	—	48	2	22	•	•	•	•
a St. Ann's Head	149	68	29th	46	26th	59·9	49·0	54·1	- 3·0	2	0·09	2	- 10	St. Ann's Head	9·8	+ 2·3	60	•	•	•	•	•	•
p Cardiff	202	73	29th	41	26th	65·0	46·4	55·1	- 3·9	1	0·01	0	- 16	Cardiff	10·1	—	62	0	31	58·1	-2·5	55·2	-1·4
b. ENGLAND, S.W.																						
a Bath	66	73	29th	38	26th	67·0	45·9	55·7	- 3·9	1	0·06	2	- 11	Bath	•	•	•	•	•	59·7	-0·9	57·3	-0·1
a Shaftesbury	722	69	29th	40	26th	63·6	44·3	53·3	- 4·9	2	0·04	1	13	Shaftesbury ..	•	•	•	•	•	57·4	•	55·8	•
a Arlington	613	67	29th	40	26th	61·1	44·4	52·2	- 5·1	2	0·08	2	18										
a Hartland Quay ..	100	64	29th	49	25th	59·3	51·6	55·2	—	2	0·12	3	—										
a Newquay	190	63	29th	40	25-27	59·6	45·3	52·0	- 6·4	2	0·08	2	- 10	Newquay ..	9·8	+ 2·3	61	•	•	60·3	•	56·5	•
a Cullompton	202	72	29th	36	25, 26	67·4	41·4	53·5	- 5·8	0	0·00	0	- 13	Cullompton ..	9·3	+ 2·6	57	2	28	59·4	•	•	•
a Portland Bill	19	63	29th	47	25th	60·6	50·6	55·3	- 3·2	0	0·00	0	- 9	Weymouth ..	10·0	—	62	•	•	•	•	•	•
p Plymouth	116	67	29th	43	25, 26	63·9	46·7	54·7	- 4·9	1	0·01	0·3	- 14	Plymouth ..	10·3	+ 2·8	64	0	35	60·7	-1·0	57·0	•
a Falmouth	167	68	29th	42	26th	64·6	46·0	54·7	- 4·2	0	0·00	0	- 14	Falmouth ..	10·3	+ 2·4	64	0	32	61·3	•	59·2	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	60	29th	45	23rd	55·4	47·6	51·2	- 4·5	3	0·13	3	- 11	Malin Head ..	5·7	—	33	•	•	•	•	•	•
a Blacksod Point ..	327	61	29th	45	25th	57·6	48·6	52·8	- 4·2	4	0·11	3	- 14	Markree Castle	6·8	+ 2·2	40	0	38	58·6	-0·6	54·8	+0·3
p Markree Castle ..	122	67	29th	45	25th	60·6	48·0	53·9	- 2·4	3	0·31	8	- 11										
b. East .. *p* Armagh	196	68	29th	42	25th	62·1	47·1	54·1	- 3·0	1	0·01	0·2	- 16	Armagh	5·5	+ 0·7	33	0	32	57·4	-1·2	54·2	-0·7
a Donaghadee	101	63	29th	46	25th	58·7	48·3	53·1	- 3·4	2	0·22	6	- 9										
10. IRELAND, S.																						
p Dublin, City	47	66	29th	44	26th	61·9	49·1	55·1	- 4·2	1	0·03	1	- 11	Trinity Coll. ..	•	•	•	0	33	57·2	-2·0	55·4	-0·2
a Birr Castle	175	65	24th	36	26th	62·7	45·3	53·4	- 4·4	2	0·16	4	- 10	Phœnix Park ..	5·8	0·0	35	1	26	•	•	•	•
a Kilkenny	212	68	29th	38	26th	63·7	46·1	54·3	- 3·9	2	0·08	2	- 12	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	20	71	29th	41	26th	65·4	46·9	55·5	- 3·4	2	0·09	2	- 13	Birr Castle ..	5·0	0·0	30	1	29	•	•	•	•
p Seskin, Carrick-on-Suir	541	68	27th	40	26th	65·0	45·4	54·5	—	2	0·07	2	—	Seskin	7·3	—	44	0	34	•	•	•	•
a Cahir	199	69	24, 29	40	26th	65·9	46·3	55·4	- 2·8	1	0·03	1											
a Foynes	50	66	29th	45	25, 26	63·3	48·3	55·3	- 3·0	2	0·06	2	- 13										
a Cahirciveen (Val. Obs.)	30	64	29th	46	29th	60·6	49·3	54·6	- 3·4	2	0·12	3	- 12	Cahirciveen ..	6·1	+ 0·5	37	0	39	•	•	•	•
a Killarney	174	69	29th	41	26th	64·9	48·4	56·1	- 2·3	2	0·09	2	- 14	Ballinacurra ..	6·7	+0·7	41	•	•	•	•	•	•
a Roche's Point	32	65	24th	45	26th	62·4	49·3	55·4	- 2·8	0	0·00	0	- 15										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	68	29th	49	27th	63·7	51·9	57·4	- 1·4	1	0·04	1	- 7	Scilly	10·0	+ 1·8	62	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	73	29th	46	29th	63·1	49·1	55·6	- 4·9	1	0·16	4	- 5	St. Heliers ..	11·4	+ 2·7	71	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	69	29th	48	27th	64·4	49·7	56·5	- 3·6	1	0·01	0·2	- 9	Guernsey† ..	12·0	+ 3·1	75	0	38	60·3	-1·6	58·1	-0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 29th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 m./hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	22 to 26	33	87	37	11	0	304	14	22	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	24	102	42	0	315	7	23	10	18	24	9	25
Aberdeen	153	105	52	—	—	23	2	96	45	25	0	293	11	23	1	19	23	10	20
Edinburgh	485	39	31	—	—	—	—	89	66	13	0	304	9	23	17	14	26	18	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	26, 27	4	45	79	40	0	293	11	26 / 27	24 / 2	20	23	23	30
Paisley	188	81	15	—	—	—	—	27	121	20	0	?	8	24	17	16	23	15	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	—	—	—	35	104	29	0	337	8	24	7	13	24	8	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	24	133	11	0	315	7	23	9	—	—	—	—
Gorleston	52	42	‡	—	—	23, 24	9	64	86	9	0	315	13	24	12	18	23	10	15
Shoeburyness	103	90	‡	—	—	—	—	51	99	18	0	315	10	23	7	17	23	6	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	14	92	62	0	337	7	24	15	11	23	10	41
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	1	159	8	0	—	6	23	10	13	23	9	5
Brighton	261	53	6	—	—	—	—	38	95	11	24	—	8	23	8	14	23	7	40
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	45	103	20	0	293	10	23	8	17	23	8	45
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	1	95	72	0	315	6	23	9	12	23	8	55
S. Kensington	123	92	30	—	—	—	—	—	106	64	0	326	6	23	10	9	23	9	10
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	7	87	74	0	293	8	23	15	13	23	15	45
Fleetwood (Cup Anr.) ..	109	44	—	23	1	23 to 27	46	69	46	6	0	315	17	23	1	—	—	—	—
Southport	80	62	48	—	—	23 to 27	43	97	27	1	0	293	16	23	3	21	23	0	40
Holyhead	60	40	‡	—	—	23	5	96	48	24	0	304	11	23	1	15	23	7	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	3	80	85	0	337	6	26	16	10	24	13	35
Plymouth	185	88	2	—	—	—	—	2	84	82	0	—	7	24	16	14	24	16	10
Lyme Regis	556	61	‡	—	—	—	—	18	86	64	0	—	7	24	19	12	23	8	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	23	4	63	72	29	0	270	12	23	3	—	—	—	—
Quilty	100	40	‡	—	—	24, 26	5	73	46	44	0	—	12	24	7	16	24	6	55
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	21	129	27	0	340	8	24	10	12	23	7	30
Weaver Pt.	160	30	‡	—	—	—	—	48	100	20	0	—	9	24	9	14	24	6	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	12	113	43	0	337	9	24	11	13	24	11	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SIXTH WEEK of 1918—June 23rd to June 29th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH	66	41	86·2	80·5	83·1	− 2·3	57	− 28	0	0	3	− 1	0·17	4	− 13	2·9	−1·5	16	1016
Eastern.																			
1. SCOTLAND, EAST	72	27	88·4	80·0	83·9	− 2·4	68	− 29	0	0	3	0	0·20	5	− 7	5·3	−0·8	31	1017
2. ENGLAND, N.E.	74	29	89·8	80·7	84·9	− 2·4	81	− 29	0	0	2	− 1	0·14	4	− 8	6·2	−0·1	37	1017
3. ENGLAND, EAST	71	38	90·2	80·4	84·9	− 3·5	81	− 43	0	0	2	− 1	0·31	8	− 3	7·0	−0·4	42	1017
4. MIDLAND COUNTIES	74	37	90·9	80·6	85·4	− 2·7	86	− 34	0	0	2	− 1	0·10	3	− 11	6·4	−0·2	38	1019
5. ENGLAND, S.E.	73	32	91·5	80·4	85·6	− 3·0	89	− 37	0	0	2	0	0·09	2	− 8	8·7	+0·9	53	1018
Western.																			
6. SCOTLAND, WEST	70	36	89·1	80·6	84·6	− 2·1	76	− 26	0	0	2	− 2	0·08	2	− 15	7·7	+1·7	45	1018
7. ENGLAND, N.W.	73	36	88·7	81·7	84·9	− 2·5	81	− 31	0	0	2	− 1	0·16	4	− 13	7·7	+1·4	45	1020
8. ENGLAND, S.W.	73	32	90·4	80·7	85·2	− 2·5	83	− 33	0	0	1	− 2	0·03	1	− 14	9·3	+2·3	57	1021
9. IRELAND, NORTH	68	36	88·3	81·6	84·7	− 2·0	78	− 25	0	0	3	− 1	0·16	4	− 13	6·2	+1·4	36	1021
10. IRELAND, SOUTH	71	36	90·4	81·7	85·8	− 1·8	91	− 23	0	0	2	− 2	0·07	2	− 13	5·69	+0·44	346	1023
11. ENGLISH CHANNEL	73	46	90·6	83·1	86·6	− 1·7	102	− 24	0	0	1	− 2	0·07	2	− 7	11·1	+2·5	70	1022

THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, June 2nd to June 29th, 1918.

0. SCOTLAND, NORTH	76	27	86·9	80·1	83·2	− 1·3	236	− 67	0	− 1	18	+ 3	3·00	76	+ 12	4·9	−0·2	27	1014
Eastern.																			
1. SCOTLAND, EAST	80	27	88·9	79·8	84·0	− 1·2	275	− 64	0	0	13	0	1·11	29	− 21	6·4	+0·4	37	1015
2. ENGLAND, N.E.	80	29	90·1	81·1	85·3	− 0·8	340	− 36	0	0	9	− 3	0·58	15	− 32	6·7	+0·5	40	1017
3. ENGLAND, EAST	79	34	91·0	81·0	85·6	− 1·5	356	− 73	0	0	10	− 2	1·00	25	− 22	7·4	+0·6	45	1017
4. MIDLAND COUNTIES	81	35	91·1	80·9	85·7	− 1·2	357	− 65	0	0	11	− 1	0·91	24	− 28	6·5	+0·3	39	1018
5. ENGLAND, S.E.	82	32	91·5	81·4	86·1	− 1·3	382	− 65	0	0	9	− 2	1·01	25	− 20	7·8	+0·6	48	1018
Western.																			
6. SCOTLAND, WEST	80	35	89·4	80·8	84·8	− 1·1	316	− 59	0	0	15	+ 1	1·88	48	− 20	6·7	+0·2	39	1016
7. ENGLAND, N.W.	77	36	89·3	81·8	85·3	− 1·2	341	− 59	0	0	13	0	1·74	45	− 12	6·8	+0·3	41	1018
8. ENGLAND, S.W.	81	32	90·5	81·8	85·8	− 1·1	365	− 55	0	0	8	− 5	1·24	32	− 25	8·3	+1·5	51	1020
9. IRELAND, NORTH	80	36	89·1	81·8	85·2	− 0·7	336	− 36	0	0	17	+ 1	1·70	43	− 22	5·9	+0·4	35	1018
10. IRELAND, SOUTH	84	36	90·7	82·3	86·2	− 0·6	387	− 29	0	0	13	− 1	1·70	43	− 19	6·46	+0·57	39	1021
11. ENGLISH CHANNEL	75	44	90·5	83·4	86·7	− 0·7	411	− 38	0	0	9	− 3	0·61	17	− 25	9·4	+1·5	58	1022

THE YEAR 1918.—Aggregates, &c., for the Period of 26 Weeks, December 30th, 1917, to June 29th, 1918.

0. SCOTLAND, NORTH	76	5	82·5	76·3	79·3	+ 0·1	758	+ 13	514	− 25	112	− 7	21·88	552	− 42	3·3	−0·1	26	1014
Eastern.																			
1. SCOTLAND, EAST	80	−3	83·1	75·7	79·3	0·0	834	− 19	617	0	94	− 7	11·28	285	− 58	3·7	−0·3	29	1015
2. ENGLAND, N.E.	83	9	83·9	77·1	80·4	+ 0·4	1030	+ 81	394	− 78	84	− 8	8·91	226	− 43	4·0	−0·3	32	1016
3. ENGLAND, EAST	81	14	84·6	76·9	80·6	+ 0·2	1107	− 20	411	− 83	79	−11	9·98	254	− 9	4·6	0·0	37	1017
4. MIDLAND COUNTIES	84	12	85·1	77·0	80·9	+ 0·5	1193	+ 49	402	−120	79	−10	10·62	270	− 30	3·9	−0·2	31	1017
5. ENGLAND, S.E.	83	15	85·2	77·6	81·2	+ 0·1	1224	+ 9	353	− 26	77	−10	10·78	273	− 21	4·8	+0·1	38	1017
Western.																			
6. SCOTLAND, WEST	80	5	84·0	77·0	80·4	+ 0·2	1008	+ 43	374	− 42	98	−10	18·71	476	− 49	4·0	−0·1	32	1016
7. ENGLAND, N.W.	84	12	84·4	77·8	81·0	+ 0·5	1121	+ 96	280	−102	86	−10	13·11	335	− 41	4·3	+0·1	35	1016
8. ENGLAND, S.W.	82	16	84·9	78·1	81·5	+ 0·4	1215	+ 47	256	− 45	80	−16	13·84	354	− 67	4·9	+0·4	39	1017
9. IRELAND, NORTH	80	18	84·4	77·9	81·0	+ 0·4	1123	+ 98	277	− 63	104	−13	14·34	364	− 66	4·0	+0·1	32	1015
10. IRELAND, SOUTH	84	19	85·5	78·6	81·9	+ 0·4	1335	+107	217	− 43	99	− 5	17·08	432	− 26	4·4	+0·1	35	1017
11. ENGLISH CHANNEL	81	26	85·4	79·8	82·5	+ 0·1	1401	+ 29	91	− 14	84	−17	9·75	249	− 98	5·7	+0·3	46	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: July 4th, 1918.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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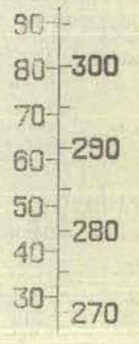
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 27.

THE TWENTY-SEVENTH WEEK OF 1918.
SUNDAY, JUNE 30TH, TO SATURDAY, JULY 6TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was persistently high to the westward or south-westward of the British Isles throughout the week, and low either over the Iceland region or Scandinavia, the winds blowing very generally from between North and West, and being mostly light or moderate in force though increasing to a strong breeze at times in exposed places. Temperature, which had been below the normal for three weeks, showed an excess this week in nearly all Districts, but the deviation from normal was slight. Maxima of 300 a. were registered at a few places in various parts of England on July 1st, and at Weymouth there was a reading of 301 a. The minima were not as low as of late; readings of 277 a. were, however, recorded in most districts, the absolute lowest being 275 a. at West Linton, on the Pentland Hills. The only grass frosts reported were at Eskdalemuir and Rhayader. Rainfall was again deficient in all parts of the United Kingdom, the only regions where the fall was at all appreciable being Scotland North and Scotland West; in many parts of England the week was rainless. Bright sunshine was everywhere abundant, in the south-western districts very abundant; the daily mean was least, 5·3 hr. per day, in Scotland North, and greatest, 12·8 hr. per day, in District 11, English Channel; at Jersey and Guernsey it was 13·1 and 13·2 hr. per day respectively. Solar halos were observed at Manchester on July 1st, at Oxford, Southport and Dublin on the 4th, and again at the latter station on the 5th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	3·4	6	2·4	10	2·6	1	1·5	3	2·0	4	1·3	4	2·3	1	1·5
North	14	2·2	4	1·4	18	3·5	19	3·0	13	2·5	22	3·3	14	2·5	16	3·7
West	26	4·8	21	6·7	11	2·0	9	1·6	24	3·6	5	1·2	17	5·8	12	3·5
East	1	2·0	2	1·7	15	1·9	10	1·5	0	—	20	3·2	4	2·1	5	1·7
Calm	0	—	5	—	0	—	8	—	4	—	0	—	5	—	9	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Very light	Very light	Nought	Very light	Nought	Light	Very light	Nought	Very light	Very light	Nought
	Sunshine ...	Abundant	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Abundant	Very abundant	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 5 weeks from June 2nd, 1918.	Warmth ...	1, 1, 3	0, 2, 3	1, 2, 2	0, 2, 3	0, 3, 2	0, 3, 2	1, 1, 3	1, 1, 3	2, 0, 3	1, 1, 3	1, 1, 3	1, 2, 2
	Rainfall ...	1, 2, 2	0, 2, 3	0, 1, 4	0, 2, 3	0, 1, 4	0, 2, 3	0, 3, 2	0, 3, 2	0, 2, 3	0, 3, 2	1, 2, 2	0, 2, 3
	Sunshine ...	2, 1, 2	2, 2, 1	1, 4, 0	2, 3, 0	2, 2, 1	3, 2, 0	3, 1, 1	3, 0, 2	3, 1, 1	3, 1, 1	2, 2, 1	3, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(18263—19.) Wt. 199—789. 450. 7/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F	°F.	°F.	°F.	°F.
c. SCOTLAND, N.																							
a Lerwick	54	56	4th	41	2nd	54·1	44·1	48·8	- 3·2	4	0·28	7	- 6										
p Deerness	160	60	30, 3	41	2nd	56·6	46·0	50 9	—	4	0·39	10	- 4	Deerness ..	5·6	+ 1·1	31	•	•	•	•	•	•
a Stornoway	51	69	3rd	46	2nd	59·7	49·0	54·0	- 0·1	4	0·18	5	- 12	Stornoway ..	4·7	- 0·1	27	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	60	3rd	49	2nd	57·4	51·3	54·1	—	3	0·24	6	—	Castlebay ..	4·5	—	26	•	•	•	•	•	•
b. Mainland. *a* Wick	81	66	30th	41	2nd	58·3	46·6	52·0	- 1·8	3	0·16	4	- 11	Fort Augustus..	5·7	+ 2·0	33	•	•	•	•	•	•
p Glencarron	500	68	3rd	43	3rd	59·1	47·6	53·0	- 1·4	4	0·36	9	- 21										
p Fort Augustus.. ..	68	73	3rd	43	2nd	65·7	48·0	56·2	+ 0·1	0	0·00	0	- 18										
p Fort William	171	74	3rd	44	3rd	66·3	49·7	57·4	+ 0·6	2	0·12	3	- 24										
1. SCOTLAND, E.																							
a Nairn	82	72	3rd	46	2nd	66·0	49·7	57·3	+ 1·2	1	0·09	2	- 12	Nairn	8·3	—	47	•	•	•	•	•	•
p Gordon Castle	101	71	30th	46	3rd	64·9	50·0	56·6	+ 0·7	2	0·02	1	- 16	Gordon Castle..	6·7	—	38	•	•	•	•	•	•
a Aberdeen	46	75	30th	45	3rd	64·0	49·3	56·1	+ 0·2	3	0·09	2	- 13	Aberdeen ..	6·6	+ 1·3	38	0	39	•	•	52·6	+0·6
a Balmoral	930	71	30th	37	3rd	66·3	45·7	55·3	+ 1·1	1	0·06	2	- 12	Balmoral ..	•	•	•	0	34	•	•	•	•
p Crieff	432	75	3rd	39	3rd	68·1	45·9	56·2	- 1·5	1	0·02	1	- 16	Crathes ..	6·8	+ 1·6	39	0	35	59·1	+2 1	53 8	+0·7
a Dundee	244	75	30, 6	40	3rd	68·6	47·3	57·2	- 0·5	1	0 03	1	- 14	Dundee	8·2	—	47	0	35	58·1	•	•	•
a Leith	30	70	30, 3	48	3rd	65·9	51·6	58·3	+ 0·3	1	0·01	0·3	- 14	Leith	•	•	•	0	41	•	•	•	•
p Edinburgh	441	72	3rd	45	3rd	65·0	50·4	57·2	+ 1·0	1	0·02	0·4	- 14	Edinburgh ..	7·9	+ 2·4	46	0	37	•	•	•	•
a West Linton	769	71	3rd	38	3rd	63·9	47·0	54·9	+ 0·6	2	0·06	2	—	West Linton ..	6·8	—	40	0	33	•	•	•	•
p Marchmont	498	71	30th	41	3rd	66·7	49·3	57·4	+ 1·4	0	0·00	0	- 17	Marchmont ..	7 5	+ 2 0	44	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	67	3rd	38	2nd	61·9	46·0	53·4	—	5	0·76	19	—	Ford (Argyll) ..	•	•	•	•	•	59·5	•	54·0	•
p Glasgow Observatory	180	74	3rd	46	3rd	65·3	51·1	57·7	+ 0·3	3	0·20	5	- 10	Glasgow.. ..	6·8	+ 1·7	40	0	35	•	•	•	•
p Rothesay	200	67	2nd	43	3rd	61·4	48·7	54·6	- 2·4	3	0·13	3	- 17	Rothesay ..	6·6	—	39	0	42	59·4	•	54 1	-0·2
a Kilmarnock	90	76	3rd	39	3rd	66·6	48·4	56·9	+ 0·4	2	0 07	2	- 14	Kilmarnock ..	5·8	—	34	•	•	58·6	•	53·5	•
a Colmonell	170	67	30, 2, 3	45	3, 4	64·4	49·4	56·4	+ 0·5	2	0 06	2	- 14	Colmonell ..	•	•	•	0	40	•	•	•	•
p Cally, Gatehouse	120	73	3rd	45	3rd	68·3	49·6	58·3	+ 1·9	0	0·00	0	- 18	Dumfries ..	7·3	—	43	0	37	60·2	-0·3	56·2	-1·2
p Dumfries	160	73	3rd	46	1st	68 3	50·7	58·9	+ 0·6	1	0·02	1	- 14	Eskdalemuir ..	8·1	—	48	1	28	•	•	•	•
a Eskdalemuir	794	71	3rd	39	3, 4	65·4	44·7	54·3	—	2	0 05	1	—										
b. I. OF MAN *p* Douglas	277	68	4th	48	3rd	64·9	50·9	57·4	+ 0·6	0	0·00	0	- 15	Douglas	8 5	+ 1·5	50	0	40	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	76	30th	40	3rd	67·9	47·9	57·2	+ 0·3	1	0·02	0·4	- 14										
a Tynemouth	71	74	30, 4	46	3rd	65·4	51·0	57·7	+ 0·8	1	0·04	1	- 11	Cockle Park ..	7·2	+ 1·2	42	0	36	58·8	+1·8	53·6	-0·4
p Durham	336	79	4th	45	3rd	71·3	48·6	59·2	+ 1·4	0	0·00	0	- 13	Durham ..	8·3	+ 2·4	49	0	32	•	•	•	•
a North .. *p* Rounton	249	79	4th	40	3rd	70 3	45·7	57 1	0·0	1	0 01	0·3	- 15	Rounton ..	•	•	•	0	36	58·2	•	•	•
a West Witton	605	75	30, 4	41	3rd	70·9	49·1	59 2	—	0	0·00	0	-	West Witton ..	•	•	•	0	36	59·1	•	51·9	•
p Scarborough	100	75	4th	50	1, 2	69·3	53·6	60 9	+ 2·7	0	0·00	0	- 12	Scarborough† ..	6·6	+ 0·4	39	•	•	•	•	48·4	•
p York	56	78	4th	44	3rd	71·0	49·7	59·6	- 0·1	1	0·06	2	- 11	York	7·4	+ 1·4	44	•	•	59·0	+1·4	54·8	-0·1
a Spurn Head	26	66	4th	48	3rd	63·1	51·7	57·0	- 1·7	0	0·00	0	- 9	Spurn Head ..	7·2	—	43	•	•	•	•	•	•
b. South .. *a* Lincoln	58	76	1st	44	3rd	70·6	50·0	59·6	- 0·8	1	0·12	3	- 9	Lincoln	•	•	•	•	•	60·3	+1·6	54·8	-0·8
a Fulbeck	180	79	1st	41	4th	72·9	47·4	59 3	- 0·6	1	0·01	0·3	- 12	Rauceby ..	7·8	+ 0·7	47	•	•	63·8	+2·2	56 3	-0 1
														Skegness ..	8·5	+ 1·1	51	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	72	30, 1	50	30th	67·1	52·6	59·4	+ 0·5	0	0·00	0	- 11	Cromer	7·7	+ 0·8	46	•	•	•	•	•	•
a Little Massingham ..	280	76	1st	43	4th	70·1	49·7	59·2	- 0·5	0	0·00	0	- 12	Lit. Massingham	8·8	+ 2·1	53	•	•	•	•	•	•
a Yarmouth	13	73	5th	51	30th	65·9	53·7	59·4	0·0	0	0·00	0	- 10	Yarmouth ..	8·4	—	51	0	52	62·6	-0·4	57·0	-2·0
a Norwich	93	78	1st	48	3rd	70·4	52·7	60·6	+ 0·4	0	0·00	0	- 12	Norwich ..	8·4	—	51	0	41	62·4	•	•	•
a Geldeston	37	75	30th	46	3rd	69·1	50·1	58·9	- 0·9	0	0·00	0	- 10	Geldeston ..	7·9	+ 0·7	48	•	•	•	•	•	•
p Cambridge	41	80	1st	47	3, 4	72·4	50·3	60 6	- 0·1	1	0·05	1	- 9	Cambridge ..	8·5	+ 1·5	52	0	37	61·3	-0·4	56·6	-1·4
a Clacton-on-Sea ..	54	73	5th	46	4th	68·4	51·7	58·5	- 1·6	1	0·01	0·2	- 9	Clacton	8·9	+ 1·4	55	0	42	61·0	+0·8	57 4	-0·6
a Rothamsted	424	76	1st	43	4th	70·7	50·3	60·8	+ 0·2	0	0·00	0	- 11	Rothamsted ..	9·1	+ 2·1	56	0	33	59·9	•	•	•
p Tottenham	51	78	1st	46	4th	73·4	54·6	63·4	—	0	0·00	0		Tottenham ..	8 7	—	53	0	45	•	•	57·8	-1·3
4. MIDLAND COUNTIES.																							
a North .. *p* Harrogate	479	76	4th	44	3rd	69·4	48·7	58·3	+ 0·7	0	0·00	0	- 13	Harrogate ..	9·1	+ 2 5	54	0	39	58·0	+1·6	55·0	+0·7
p Sheffield	429													Sheffield.. ..									
p Buxton	987	72	4th	39	3rd	64·6	47·0	55·2	—	2	0·03	1	- 17	Buxton	7·5	—	45	0	39	56 9	-0·5	52·5	-0·8
a Bawtry	65	78	4th	42	3, 4	73·0	48·1	59·7	- 0·1	0	0·00	0	- 10	Worksop ..	7·7	+ 1·9	46	0	31	59·3	•	54·9	•
a Nottingham	82	78	1st	45	4th	71·0	50·3	59·9	- 0·1	0	0 00	0	- 11	Nottingham ..	7·0	+ 0·7	42	0	39	61·1	+1·0	56·2	0 0
b. East .. *p* Birmingham, Edgbsn.	535	76	4th	47	3rd	71·3	51·0	60·4	+ 0·7	0	0·00	0	- 11	Birmingham ..	7·8	+ 2 5	48	0	37	57·0	+2·3	51·1	-0·3
a Raunds	203	81	1st	40	4th	74·4	48·6	60·6	0·0	1	0·08	2	- 9	Raunds	9·1	—	53	0	31	59·9	•	54·4	•
p Oxford	208	79	1st	45	4th	74·7	51·7	62·4	+ 1·5	0	0·00	0	- 11	Oxford	9·9	+ 2·9	60	0	33	•	•	•	•
a Cheadle (N. Staffs.) ..	646	76	4th	43	3rd	69·3	49·7	58·8	+ 0·7	0	0·00	0	- 14	Cheadle	•	•	•	0	37	•	•	•	•
c. West .. *p* Shrewsbury	191	80	4th	40	3rd	73·3	47·0	59·2	- 0·5	1	0·01	0·3	- 9	Shrewsbury ..	•	•	•	0	35	•	•	•	•
a Hereford	291	80	1st	40	3rd	75·9	48·0	61·0	+ 1·0	0	0·00	0	- 10	Malvern ..	9·6	—	59	0	43	62·3	•	57·7	•
a Clifton	229	78	1, 4	51	3rd	74·7	54·4	63·8	+ 1·9	0	0·00	0	- 15	Clifton	10·3	—	63	0	48	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	79	1st	39	4th	75·3	46·4	59·8	+ 1·3	0	0·00	0	- 13	Worthing ..	11·5	+ 3·5	71	0	43	62·3	-0·9	57·1	-1·3
p Salisbury (Wilton) ..	180	80	1, 4	44	30th	77·7	48·6	62·1	+ 1·5	0	0·00	0	- 12	Marlborough ..	9·4	+ 2·9	58	0	32	61·2	•	55·0	•
a Wisley, Surrey ..	150	79	1st	43	30, 4	74·4	49·0	60·8	+ 0·3	0	0·00	0	- 10	Salisbury	•	•	•	0	41	64·0	•	•	•
a Tunbridge Wells ..	354	77	1st	43	30th	73·9	49·1	60·0	+ 0·4	0	0·00	0	- 11	Wisley	9·9	+ 2·7	61	0	31	60·1	-1·6	55·2	-2·5
a Margate	51	72	5th	49	30th	66·3	53·4	59·4	- 1·4	0	0·00	0	- 10	Tunbridge Wells	9·3	+ 2·0	57	0	34	60·7	-1·3	56·3	•
														Margate	7·2	+ 0·3	40	0	41	65·8	+4·7	60·4	+3·0
a Dungeness	21	70	6th	44	30th	66·0	49·9	57·4	- 2·5	0	0·00	0	- 9	Folkestone ..	6·6	—	41	•	•	•	•	53·3	•
p St. Leonards	178	71	2nd	47	4th	68·4	51·3	59·3	- 0·9	0	0·00	0	- 11	St. Leonards ..	9·5	+ 1·5	59	0	43	62·8	•	57·8	•
p Southampton	64	81	1st	48	30th	76·6	52·1	63·5	+ 1·6	0	0·00	0	- 11	Southampton ..	11·3	+ 3·9	70	0	37	•	•	•	•
a Ventnor	59	75	2nd	51	3rd	70·9	52·9	61·3	+ 0·5	0	0·00	0	- 10	Ventnor	11·2	+ 3 5	70	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	79	1st	46	4th	73·2	51·3	61 5	0·0	0	0·00	0	- 11	Richmond ..	8·7	+ 2·5	53	0	34	61·7	+0·6	55·6	-1·0
a Westminster	27	81	1st	47	30th	74·5	52·9	63·0	+ 1·0	0	0·00	0	- 11	Westminster ..	8·5	+ 2·3	52	0	44	•	•	•	•
ag Greenwich	149	82	1st	44	30th	75 4	51·6	62·7	+ 0·7	0	0·00	0	- 13	Greenwich ..	8·4	+ 1·2	52	0	32	•	•	•	•
a Hampstead	450	78	1st	45	4th	72·6	51·6	61·4	—	0	0·00	0	—	Hampstead ..	9·1	—	56	•	•	•	•	•	•
ag Camden Square ..	110	84	1st	46	30th	78·3	52·7	64·6	+ 1·6	0	0·00	0	- 12	Camden Square	7·6	+ 1·5	47	0	43	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	70	3rd	48	1, 3	65·3	50·6	57·4	+ 0·1	1	0·02	0·4	- 15	Aspatria.. ..	7·0	+ 0·5	41	0	45	58·9	-0·9	53·4	-0·4
p Newton Rigg	559	73	3rd	41	1st	68·6	47·3	57·2	- 0·2	1	0·05	1	- 12	Newton Rigg ..	8·0	+ 1·9	47	0	35	60·0	+0·8	53·6	-0 3
p Stonyhurst	375	71	4th	44	3rd	65·4	50·1	57·2	- 0·7	0	0·00	0	- 17	Stonyhurst ..	7·3	+ 1·1	44	0	38	•	•	•	•
p Blackpool	66	68	2nd	46	3rd	63·7	52·1	57·5	- 0·9	0	0·00	0	- 13	Blackpool ..	7·3	- 0·1	44	0	38	60 0	•	54 0	•
a Southport	37	66	2, 4	45	3rd	63·3	52·6	57·6	- 1·0	1	0·01	0·2	- 13	Southport ..	7·5	+ 0·3	45	0	36	63·9	+1·5	59·5	+0·6
a Liverpool (Bidston) ..	188	65	30, 2, 4	52	3rd	63·3	53·6	58·1	- 1·1	0	0·00	0·1	- 12	Hoylake	8·1	+ 1 3	49	•	•	•	•	•	•
a Hawarden Bridge ..	22	72	30th	47	30th	67·1	52·1	59·1	- 0·7	0	0·00	0	- 10	Liverpool ..	8·4	—	50	0	45	•	•	•	•
p Manchester (Whit. Pk.)	126	74	4th	44	3rd	68·0	50·6	63·5	+ 3·5	0	0·00	0	- 15	Manchester(City)	4·4	- 0·8	26	0	40	59·9	+0·5	57·4	+0·7
														Whitworth Park	4·6	- 0·8	28	•	•	•	•	•	•
8. NORTH WALES.																							
p Llandudno	16	69	4th	45	30, 3	65·0	50·3	57·1	- 2·2	0	0·00	0	- 11	Llandudno ..	8·6	+ 1·6	52	•	•	•	•	•	•
a Holyhead	16	69	4th	50	2nd	64·4	51·9	57·7	0·0	0	0·00	0	- 12	Holyhead ..	8·8	—	53	0	36	•	•	•	•
a Beddgelert	309	72	4th	44	3rd	68·0	49·0	57·8	-	1	0·01	0·2	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft Mean.	Earth 4 ft Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.			°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	70	2nd	47	3rd	64·4	52·3	57·9	—	0	0·00	0	—	Aberystwyth ..	8·6	+ 1·9	52	*	*	*	*	*	*
a Rhayader	767	72	4th	40	3rd	67·4	45·7	55·8	—	0	0·00	0	—	Rhayader ..	9·6	—	59	1	29	*	*	*	*
a St. Ann's Head	149	67	30, 1, 4	52	2-4	65·0	52·9	58·5	+ 0·8	0	0·00	0	- 11	St. Ann's Head	10·3	+ 2·8	63	*	*	*	*	*	*
p Cardiff	202	78	1st	48	2nd	74·1	51·7	62·1	+ 2·5	0	0·00	0	- 13	Cardiff	10·7	—	66	0	41	62·7	+1·6	56·1	-0·9
b, ENGLAND, S.W.																						
a Bath	66	79	1st	44	3rd	75·4	51·0	62·4	+ 2·1	0	0·00	0	- 11	Bath	*	*	*	*	*	63·7	+2·0	58·2	+0·2
a Shaftesbury	722	75	4th	46	3rd	72·4	51·0	61·0	+ 2·0	0	0·00	0	- 11	Shaftesbury ..	*	*	*	*	*	62·7	*	57·1	*
a Arlington	613	—	—	—	—	—	—	—	—	—	—	—	—										
a Hartland Quay ..	100	69	30, 4	51	3rd	64·9	55·1	59·7	—	0	0·00	0	—										
a Newquay	190	71	30th	48	30th	61·0	53·3	58·3	- 0·8	0	0·00	0	- 10	Newquay ..	11·4	+ 3·9	71	*	*	63·2	*	57 0	*
a Cullompton	202	81	1st	43	30th	77·4	48·1	61·7	+ 1·8	0	0·00	0	- 12	Cullompton ..	11·3	+ 4·6	70	0	35	64·4	*	*	*
a Portland Bill	19	73	2nd	52	3rd	67·4	55·3	60·9	+ 1·6	0	0·00	0	- 7	Weymouth ..	12·0	—	75	*	*	*	*	*	*
p Plymouth	116	77	1st	52	30, 4	73·0	54·4	63·1	+ 2·8	0	0·00	0	- 12	Plymouth ..	11·7	+ 4·2	73	*	*	65·9	+3·1	58·0	*
a Falmouth	167	76	1st	52	30, 3	70·6	53·6	61·5	+ 1·9	0	0·00	0	- 12	Falmouth ..	12·3	+ 4·3	76	0	41	64·4	*	59·9	*
9. IRELAND, N.																						
West .. *a* Malin Head	208	61	3rd	50	2nd	58·3	51·4	54·6	- 1·5	2	0·06	2	- 10	Malin Head ..	4·3	—	25	*	*	*	*	*	*
West .. *a* Blacksod Point ..	327	65	3rd	48	3rd	60·7	50·6	55·3	- 2·1	2	0·06	1	- 13	Markree Castle	6·6	+ 1·7	39	0	34	60·9	+1·3	55·3	+0·3
West .. *p* Markree Castle ..	122	68	3rd	37	3rd	64·0	47·6	55·2	- 1·5	2	0·11	3	- 12										
b, East .. *p* Armagh	196	74	30th	42	3rd	68·4	49·0	58·0	+ 0·4	0	0·00	0·1	- 12	Armagh	6·0	+ 0·8	36	0	33	59·4	-0·1	54·9	-0·6
b, East .. *a* Donaghadee ..	101	64	5, 6	47	1st	61·6	50·6	55·7	- 1·2	1	0·01	0·2	- 12										
10. IRELAND, S.																						
p Dublin, City	47	72	4th	50	1, 3	69·0	52·6	60·2	+ 0·6	1	0·03	1	- 10	Trinity Coll. ..	*	*	*	0	41	60·0	0·0	55·8	-0·2
a Birr Castle	175	73	4th	41	1st	70·0	47·7	58·1	+ 0·1	1	0·04	1	- 12	Phœnix Park ..	7·2	+ 1·3	43	0	31	*	*	*	*
a Kilkenny	212	76	4th	45	30, 3, 4	70·9	47·6	58·4	- 0·2	0	0·00	0·1	- 13	Dublin City ..	*	*	*	0	46	*	*	*	*
a Waterford	20	76	4th	45	30th	73·0	50·3	60·9	+ 1·7	0	0·00	0	- 14	Birr Castle ..	7·1	+ 2·1	43	0	34	*	*	*	*
p Seskin, Carrick-on-Suir	541	77	4th	48	5th	72·9	49·7	60·5	—	0	0·00	0	—	Seskin	11·9	—	73	0	36	*	*	*	*
a Cahir	199	77	3rd	43	30th	72·6	49·1	60·9	+ 1·5	0	0·00	0											
a Foynes	50	75	3rd	50	3, 5	69·1	52·7	60·3	+ 1·8	0	0·00	0	- 14										
a Cahirciveen (Val. Obs.)	30	69	30th	48	4th	65·0	51·0	57·5	- 0·7	0	0·00	0	- 17	Cahirciveen ..	11·9	+ 6·3	73	0	39	.	.	.	.
a Killarney	174	79	3rd	47	3, 5	72·4	49·8	60·3	+ 1·7	0	0·00	0	- 15	Ballinacurra ..	[illegible]	[illegible]	[illegible]	*	*	.	.	.	.
a Roche's Point	32	71	1, 5	49	30th	67·1	53·6	59·9	+ 1·4	1	0·01	0·2	- 13										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	70	30th	53	30th	66·3	54·9	60·2	+ 0·7	0	0·00	0·1	- 12	Scilly	12·2	+ 4·5	76	*	*	.	.	.	.
a Jersey, St. Aubins ..	25	73	1, 5	51	5th	68·9	54·4	61·2	0·0	0	0·00	0	- 12	St. Heliers ..	13·1	+ 4·6	82	*	*	.	.	.	.
a Guernsey (Villa Carey)	180	77	5th	52	30, 5	69·9	53·7	61·2	+ 0·4	0	0·00	0	- 12	Guernsey† ..	13·2	+ 4·6	83	0	44	64·7	+2·2	59·5	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 6th, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	30	7	66	93	2	0	259	16	30	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	75	93	0	315	4	6	9	10	6	8	50
Aberdeen	153	105	52	—	—	—	—	1	115	52	0	293	6	4	7	11	5	9	25
Edinburgh	485	39	31	—	—	5	2	97	36	33	0	270	12	5	10	19	5	9	20
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	37	89	42	0	259	11	5	15	20	5	15	10
Paisley	188	81	15	—	—	—	—	16	122	30	0	293	8	5	9	17	5	9	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	2	89	77	0	157	6	12	13	12	13	8	45
South Shields	72	61	12	—	—	—	—	33	90	45	0	304	10	5	16	17	5	10	35
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	25	134	9	0	23	8	2	15	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	100	63	5	0	337	11	3	14	14	3	10	20
Shoeburyness	103	90	‡	—	—	15	1	23	120	24	0	67	11	2	15	14	2	14	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	8	99	61	0	45	7	2	15	14	2	15	5
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	5	147	16	0	—	6	2	18	11	2	17	50
Brighton	261	53	6	—	—	—	—	5	109	54	0	—	7	2	17	13	2	16	40
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	—	—	30	121	17	0	45	9	2	17	13	3	12	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	7	79	82	0	34	6	2	16	11	2	12	55
S. Kensington	123	92	30	—	—	—	—	—	71	85	12	45	6	2	16	9	2	16	40
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	8	82	78	0	281	8	6	11	12	6	10	50
Fleetwood (Cup Anr.) ..	109	44	—	—	—	4 to 6	7	101	55	5	0	315	12	4	23	—	—	—	—
Southport	80	62	48	—	—	5, 6	16	93	58	1	0	270	13	5	15	17	5	14	10
Holyhead	60	40	‡	—	—	—	—	47	87	34	0	270	10	5	11	13	5	10	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	10	100	58	0	67	7	30	8	10	30	7	45
Plymouth	185	88	2	—	—	—	—	3	123	42	0	—	6	1	19	11	1	19	5
Lyme Regis	556	61	‡	—	—	—	—	14	86	68	0	—	7	1	24	11	2	5	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	5, 6	10	44	74	31	9	270	12	5	23	—	—	—	—
Quilty	100	40	‡	—	—	—	—	89	48	31	0	—	13	2	10	14	1	21	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	45	76	47	0	340	8	6	15	12	2	0	15
Weaver Pt.	160	30	‡	—	—	6	1	56	79	32	0	—	11	6	8	15	5	18	40
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	122	46	0	45	5	2	15	9	2	10	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVENTH WEEK of 1918—June 30th to July 6th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	74	41	88·8	81·6	85·0	− 0·6	81	− 5	0	0	3	− 1	0·18	5	− 14	5·3	+1·1	30	1022
Eastern.																			
1. SCOTLAND, EAST ...	75	36	91·7	82·2	86·7	+ 0·2	102	+ 4	0	0	1	− 3	0·04	1	− 15	7·6	+2·3	44	1023
2. ENGLAND, N.E.	79	40	93·6	82·7	87·8	+ 0·2	116	+ 3	0	0	1	− 2	0·03	1	− 12	7·6	+1·2	46	1024
3. ENGLAND, EAST ...	80	43	93·8	83·9	88·6	+ 0·1	126	+ 1	0	0	0	− 3	0·00	0	− 11	8·5	+1·4	52	1023
4. MIDLAND COUNTIES ...	81	40	95·6	82·9	88·8	+ 0·5	129	+ 7	0	0	1	− 2	0·01	0	− 11	8·6	+2·1	53	1024
5. ENGLAND, S.E.	81	39	95·4	83·2	88·9	+ 0·1	130	0	0	0	0	− 3	0·00	0	− 11	9·5	+2·1	58	1024
Western.																			
6. SCOTLAND, WEST ...	76	38	91·4	82·7	86·7	− 0·2	103	− 2	0	0	2	− 2	0·16	4	− 13	7·7	+1·5	45	1024
7. ENGLAND, N.W.	74	41	91·7	84·1	87·6	0·0	114	0	0	0	1	− 2	0·01	0	− 13	7·7	+1·3	46	1026
8. ENGLAND, S.W.	81	40	94·8	83·7	89·0	+ 0·8	138	+ 12	0	0	0	− 3	0·00	0	− 13	10·7	+3·7	66	1026
9. IRELAND, NORTH ...	74	37	90·7	82·7	86·4	− 0·5	99	− 6	0	0	1	− 3	0·05	1	− 12	6·3	+1·2	37	1027
10. IRELAND, SOUTH ...	79	41	94·1	83·3	88·3	+ 0·5	123	+ 7	0	0	1	− 2	0·01	0	− 14	8·7 / 9·6	+3·1 / 4·0	58	1028
11. ENGLISH CHANNEL ...	77	51	93·2	85·4	89·1	+ 0·4	132	+ 4	0	0	0	− 3	0·00	0	− 12	12·8	+4·5	80	1026

THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, June 2nd to July 6th, 1918

0. SCOTLAND, NORTH ...	76	27	87·2	80·4	83·6	− 1·1	317	− 72	0	− 1	21	+ 2	3·18	81	− 2	5·0	+0·1	28	1015
Eastern.																			
1. SCOTLAND, EAST ...	80	27	89·4	80·3	84·5	− 1·0	377	− 60	0	0	14	− 3	1·15	30	− 36	6·6	+0·7	38	1016
2. ENGLAND, N.E.	80	29	90·8	81·4	85·8	− 0·6	456	− 33	0	0	10	− 5	0·61	16	− 44	6·9	+0·7	41	1018
3. ENGLAND, EAST ...	80	34	91·5	81·5	86·2	− 1·2	482	− 72	0	0	10	− 5	1·00	25	− 33	7·6	+0·7	46	1018
4. MIDLAND COUNTIES ...	81	35	92·0	81·3	86·3	− 0·9	486	− 58	0	0	12	− 3	0·92	24	− 39	6·9	+0·6	42	1019
5. ENGLAND, S.E.	82	32	92·3	81·8	86·7	− 1·0	512	− 65	0	0	9	− 5	1·01	25	− 31	8·1	+0·9	50	1019
Western.																			
6. SCOTLAND, WEST ...	80	35	89·8	81·2	85·2	− 0·9	419	− 61	0	0	17	− 1	2·04	52	− 33	7·1 / 6·9	+0·8 / +0·6	48 / 40	1018
7. ENGLAND, N.W.	77	36	89·8	82·3	85·8	− 0·9	455	− 59	0	0	14	− 2	1·75	45	− 25	7·0	+0·5	42	1020
8. ENGLAND, S.W.	81	32	91·3	82·2	86·5	− 0·6	497	− 43	0	0	8	− 8	1·24	32	− 38	8·8	+2·0	54	1021
9. IRELAND, NORTH ...	80	36	89·4	82·0	85·4	− 0·7	435	− 42	0	0	18	− 2	1·75	44	− 34	6·0	+0·6	36	1020
10. IRELAND, SOUTH ...	84	36	91·4	82·5	86·6	− 0·4	510	− 22	0	0	14	− 3	1·71	43	− 33	6·0 / 7·2	+1·0 / 1·3	43 / 54	1022
11. ENGLISH CHANNEL ...	77	44	91·1	83·8	87·2	− 0·5	543	− 34	0	0	9	− 6	0·61	17	− 37	10·1	+2·1	63	1022

THE YEAR 1918.—Aggregates, &c., for the Period of 27 Weeks, December 30th, 1917, to July 6th, 1918.

0. SCOTLAND, NORTH ...	76	5	82·7	76·5	79·5	+ 0·1	839	+ 8	514	− 25	115	− 8	22·06	557	− 56	3·4	−0·1	26	1014
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	83·4	75·9	79·5	0·0	936	− 15	617	0	95	−10	11·32	286	− 73	3·8	−0·3	30	1015
2. ENGLAND, N.E.	83	9	84·3	77·3	80·7	+ 0·5	1146	+ 84	394	− 78	85	−10	8·94	227	− 55	4·1	−0·3	32	1017
3. ENGLAND, EAST ...	81	14	84·9	77·1	80·9	+ 0·2	1233	− 19	411	− 83	79	−14	9·98	254	− 20	4·7	0·0	37	1017
4. MIDLAND COUNTIES ...	84	12	85·5	77·2	81·2	+ 0·5	1322	+ 56	402	−120	80	−12	10·63	270	− 41	4·1	−0·1	32	1017
5. ENGLAND, S.E.	83	15	85·5	77·8	81·5	+ 0·2	1354	+ 9	353	− 26	77	−13	10·78	273	− 32	4·9	+0·1	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	84·3	77·2	80·6	+ 0·2	1111	+ 41	374	− 42	100	−12	18·87	480	− 62	4·1	−0·1	32	1016
7. ENGLAND, N.W.	84	12	84·7	78·1	81·3	+ 0·5	1235	+ 96	280	−102	87	−12	13·12	335	− 54	4·5	+0·2	35	1017
8. ENGLAND, S.W.	82	16	85·3	78·3	81·8	+ 0·4	1345	+ 597	256	− 45	80	−19	13·84	354	− 80	5·1	+0·4	40	1018
9. IRELAND, NORTH ...	80	18	84·7	78·0	81·2	+ 0·3	1222	+ 92	277	− 63	105	−16	14·39	365	− 78	4·1	+0·1	32	1015
10. IRELAND, SOUTH ...	84	19	85·8	78·7	82·2	+ 0·5	1458	+114	217	− 43	100	− 7	17·09	432	− 40	4·56	+0·12	36	1017
11. ENGLISH CHANNEL ...	81	26	85·7	80·0	82·8	+ 0·2	1533	+ 33	91	− 14	84	−20	9·75	249	−110	6·0	+0·5	48	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics : July 11th, 1918.

EXAMINED BY - A.R.S.
AUTHORITY FOR ISSUE
ISSUED ON - 20.7.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 28.

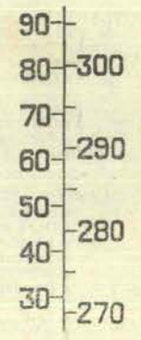
THE TWENTY-EIGHTH WEEK OF 1918.
SUNDAY, JULY 7TH, TO SATURDAY, JULY 13TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout the week barometric pressure was low over or in the immediate neighbourhood of the British Isles and high over the Arctic region and near the Azores. The wind over the United Kingdom was mostly from South-West but over Scotland and the East of England it was frequently South-Easterly; in force it was light or moderate except on very few occasions in the middle of the week, when strong gusts were experienced at some northern, eastern and southern stations. Mean temperature was everywhere below the normal, the deficit varying between 1 a. in England East and the English Channel and 2 a. in England North-West. The highest of the maxima, about 299 a., were recorded in some parts of inland England on the 8th, while the lowest minima, below 271 a. and 272 a., occurred in Central Scotland (at Balmoral and West Linton) on the 10th. Rainfall for the week was less than the normal in England North-West and equal to it in Scotland East and West, but exceeded it in all other Districts; in England South-West and Ireland South it was double the normal and in England South-East three times as much. Thunderstorms occurred on two, three or four days in nearly all parts of Great Britain, but heavy individual falls of rain were restricted to the southern districts, 47mm. at Greenwich on the 11th appears to be the heaviest fall; 30mm. fell at Arlington on the 10th and 25mm. at Salisbury on the 11th; hail accompanied the storms in many places. Bright sunshine differed very little from the normal generally, the deviation being mostly a slight excess; in Scotland West, however, there was a deficit of 1·5 hr. per day.

Solar halos were seen at Aberdeen on the 7th and 13th, at Birmingham on the 8th, at Oxford on the 7th, 8th, 9th and 11th, and at Southport (with parhelion) on the 12th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	3·3	15	2·8	23	3·7	22	3·2	23	3·3	3	4·0	14	2·7	15	2·9
North	5	3·4	3	1·6	4	1·3	1	0·9	3	1·1	23	3·5	2	0·7	7	1·8
West	4	1·8	17	4·0	18	2·9	23	2·4	24	3·3	23	6·3	24	4·0	22	5·0
East	17	3·2	5	1·7	7	1·8	0	—	3	1·8	1	1·5	1	3·1	2	3·9
Calm	5	—	6	—	0	—	4	—	1	—	2	—	1	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Heavy	Heavy	Very heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 6 weeks from June 2nd, 1918.	Warmth ...	1, 1, 4	0, 2, 4	1, 2, 3	0, 3, 3	0, 3, 3	0, 3, 3	1, 1, 4	1, 1, 4	2, 0, 4	1, 1, 4	1, 1, 4	1, 2, 3
	Rainfall ...	2, 2, 2	0, 3, 3	0, 2, 4	1, 2, 3	1, 1, 4	1, 2, 3	0, 4, 2	0, 4, 2	1, 2, 3	0, 4, 2	2, 2, 2	1, 2, 3
	Sunshine ...	2, 2, 2	2, 3, 1	1, 5, 0	2, 4, 0	2, 3, 1	3, 3, 0	3, 1, 2	3, 1, 2	4, 1, 1	3, 2, 1	2, 3, 1	4, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour

(18398—19.) Wt. 199—789. 625. 7/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.												Grass Min.		Earth 1 ft.		Earth 4 ft	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	56	10, 12	42	7th	53·7	46·1	49·6	- 2·0	5	0·99	25	+ 14										
p Deerness	169	59	7th	48	7, 10, 12	56·3	49·1	52·5	—	5	1·38	35	+ 22	Deerness ..	3·7	- 1·1	21	•	•	•	•	•	•
a Stornoway	51	63	10th	42	10th	56·9	46·9	52·5	- 1·0	5	1·73	44	+ 29	Stornoway ..	5·3	+ 0·2	30	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	60	9th	47	9th	56·9	49·7	53·1	—	6	1·34	34	—	Castlebay ..	5·0	—	29	•	•	•	•	•	•
b, Mainland. a Wick	81	59	7, 8	45	10th	56·1	48·7	52·1	- 1·3	7	1·57	40	+ 27	Fort Augustus..	2·2	- 1·7	13	•	•	•	•	•	•
p Glencarron	500	61	10th	41	9, 10	57·0	45·6	50·2	- 2·7	7	1·83	46	+ 20										
p Fort Augustus.. ..	68	63	7th	39	8th	59·0	44·0	51·5	- 1·8	6	1·04	26	+ 12										
p Fort William	171	66	11th	39	9th	61·1	46·1	53·1	- 2·9	5	1·56	40	+ 16										
1. SCOTLAND, E.																							
a Nairn	82	71	7th	39	10th	61·0	47·9	54·0	- 2·3	6	0·76	19	+ 4	Nairn	3·1	—	18	•	•	•	•	•	•
p Gordon Castle	101	69	7th	37	10th	62·0	47·4	54·2	- 2·1	7	1·43	36	+ 18	Gordon Castle..	2·6	—	15	•	•	•	•	•	•
a Aberdeen	46	70	7th	41	10th	62·1	49·3	55·3	- 0·9	4	0·77	20	+ 4	Aberdeen ..	4·1	- 1·4	24	0	35	•	•	53·6	+0·9
a Balmoral	930	68	7, 10	30	10th	61·3	42·1	51·8	- 3·3	6	0·66	17	+ 2	Balmoral ..	•	•	•	1	28	•	•	•	•
p Crieff	432	65	7th	37	9th	62·3	42·4	51·7	- 3·1	5	0·57	14	- 3	Crathes	3·7	- 1·7	22	1	38	58·4	+0·3	54·9	+1·0
a Dundee	244	70	7th	35	10th	64·3	45·1	54·0	- 4·0	5	0·50	13	- 3	Dundee	5·6	—	33	1	29	58·0	•	•	•
a Leith	30	66	7th	43	10th	62·0	48·1	54·6	- 3·6	4	0·44	11	- 4	Leith	•	•	•	0	39	•	•	•	•
p Edinburgh	441	65	7th	45	9-11	61·0	48·0	54·1	- 2·4	5	0·52	13	- 2	Edinburgh ..	5·1	- 0·7	30	0	36	•	•	•	•
a West Linton	769	61	7th	28	10th	59·6	40·3	49·3	- 5·2	4	0·49	12	—	West Linton ..	3·5	—	21	2	26	•	•	•	•
p Marchmont	498	69	7th	40	9th	63·9	45·0	53·8	- 2·5	3	0·35	9	- 9	Marchmont ..	6·2	+ 0·4	37	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	62	11th	39	12th	58·5	46·0	51·8	—	6	1·13	29	—	Ford (Argyll) ..	•	•	•	0	31	58·6	•	55·0	•
p Glasgow Observatory	180	62	7, 8	42	10th	59·1	47·7	53·0	- 4·5	6	0·87	22	+ 2	Glasgow.. ..	2·1	- 3·0	12	0	35	•	•	•	•
p Rothesay	200	62	11th	44	9th	58·6	47·1	52·5	- 4·6	7	1·02	26	+ 1	Rothesay ..	4·0	—	24	0	39	57·4	•	54·9	-0·1
a Kilmarnock	90	66	13th	41	10th	61·9	47·1	54·8	- 2·8	6	0·81	21	+ 1	Kilmarnock ..	4·4	—	26	•	•	57·5	•	54·2	•
a Colmonell	170	65	7, 13	43	10, 11	62·6	48·4	55·0	- 1·0	4	0·75	19	- 1	Colmonell ..	•	•	•	0	37	•	•	•	•
p Cally, Gatehouse ..	120	67	7th	39	10th	63·0	47·0	54·4	- 2·1	5	0·95	24	+ 2	Dumfries ..	5·4	—	32	0	31	59·0	-2·7	57·0	-1·2
p Dumfries	160	67	12th	40	10th	63·4	46·3	54·3	- 4·1	6	0·61	16	- 3	Eskdalemuir ..	4·2	—	25	1	28	•	•	•	•
a Eskdalemuir	794	63	8th	33	10th	60·0	42·3	50·5	—	6	1·16	29	—										
b, I. OF MAN p Douglas	277	65	7th	48	9, 11, 13	60·3	49·3	54·4	- 2·6	4	0·87	22	+ 3	Douglas	7·4	+ 0·3	45	0	44	•	•	•	•
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	74	7th	40	10th	66·0	46·3	55·5	- 2·1	5	0·28	7	- 7										
a Tynemouth	71	72	7th	46	9th	65·3	49·7	57·0	- 0·6	5	0·24	6	- 6	Cockle Park ..	6·7	+ 1·0	40	0	35	56·7	-1·5	54·3	-0·4
a North .. p Durham	336	75	7th	39	9-11	65·3	45·3	54·6	- 3·9	7	0·72	18	+ 5	Durham	6·2	+ 0·7	37	0	31	•	•	•	•
p Rounton	249	72	7th	38	9th	66·3	45·3	55·1	- 2·7	6	0·88	22	+ 7	Rounton ..	•	•	•	0	36	58·1	•	•	•
a West Witton	605	68	7, 8	38	11th	63·7	45·9	54·2	—	4	1·47	37	—	West Witton ..	•	•	•	0	34	58·0	•	52·8	•
p Scarborough	100	72	8th	49	11th	66·1	51·4	58·2	- 0·8	4	0·78	20	+ 8	Scarborough† ..	6·5	+ 0·7	39	•	•	•	•	48·8	•
p York	56	73	7th	44	9th	66·7	48·6	57·6	- 3·3	5	0·44	11	- 2	York	6·5	+ 0·8	39	•	•	59·2	0·0	55·7	+0·3
a Spurn Head	26	66	8, 9	48	10, 11	63·9	51·3	57·2	- 2·3	4	0·59	15	+ 6	Spurn Head ..	3·8	—	23	•	•	•	•	•	•
b, South .. a Lincoln	58	76	8th	45	10th	69·0	48·7	58·1	- 2·9	4	0·44	11	0	Lincoln	•	•	•	•	•	60·2	-0·1	56·0	-0·1
a Fulbeck	180	75	7th	44	10, 11	68·1	47·7	57·2	- 3·4	5	0·80	20	+ 8	Rauceby	6·1	- 0·7	37	•	•	62·2	-0·4	57·3	+0·6
														Skegness	6·9	- 0·2	42	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	78	8th	45	10th	68·7	50·0	58·7	- 0·8	5	0·58	15	+ 1	Cromer	7·1	+ 0·3	43	•	•	•	•	•	•
a Little Massingham ..	280	79	8th	43	11th	70·1	47·9	58·2	- 2·0	4	0·88	22	+ 7	Lit. Massingham	7·0	+ 0·6	43	•	•	•	•	•	•
a Yarmouth	13	69	9, 13	48	10, 11, 13	66·7	50·3	57·9	- 2·2	3	0·66	17	+ 4	Yarmouth ..	7·8	—	48	—	—	62·3	-1·5	58·3	-1·3
a Norwich	93	76	8th	46	10th	69·9	49·9	59·2	- 1·5	4	0·46	12	- 3	Norwich	7·5	—	46	0	38	61·6	•	•	•
a Geldeston	37	76	8th	45	10th	69·7	48·1	58·2	- 2·1	3	0·41	11	- 2	Geldeston ..	6·6	- 0·3	40	•	•	•	•	•	•
p Cambridge	41	76	7, 8	44	10th	69·9	48·1	58·2	- 3·0	4	0·44	11	+ 1	Cambridge ..	6·5	- 0·2	40	0	42	61·1	-1·3	57·6	-1·0
a Clacton-on-Sea ..	54	70	7th	49	7th	66·0	53·0	59·1	- 1·7	4	1·00	25	+ 14	Clacton	6·2	- 1·0	39	0	47	60·6	-0·3	58·2	-0·4
a Rothamsted	424	74	8th	46	10, 11, 13	66·3	48·9	57·0	- 3·1	6	0·91	23	+ 10	Rothamsted ..	6·6	- 0·2	41	0	35	59·6	•	•	•
p Tottenham	61	77	7, 8	50	10th	68·1	53·9	60·9	—	5	1·98	50	—	Tottenham ..	6·2	—	39	0	48	•	•	59·4	-0·4
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	70	7th	41	9th	63·7	46·4	54·5	- 3·4	5	1·13	29	+ 14	Harrogate ..	6·5	+ 0·5	39	0	36	57·1	+0·1	55·8	+0·9
p Sheffield	429	72	7th	44	11th	64·9	48·9	56·7	—	5	1·03	26	—	Sheffield.. ..	6·3	+ 0·4	38	0	35	58·3	0·0	63·9	+0·1
p Buxton	987	68	7th	39	9th	61·3	46·9	53·6	—	5	1·35	34	+ 12	Buxton	6·0	—	37	0	37	58·3	+0·1	53·7	-0·1
b, East .. a Bawtry	65	76	8th	39	10th	67·4	45·4	55·6	- 4·4	4	0·84	21	+ 8	Worksop ..	6·1	+ 0·8	37	1	29	58·8	•	55·8	•
a Nottingham	82	76	7th	42	10th	68·3	48·6	57·8	- 2·5	4	0·59	15	+ 2	Nottingham ..	6·3	+ 0·5	38	0	39	60·5	+0·1	57·3	+0·4
p Birmingham, Edgbn.	535	75	7th	45	10th	66·6	49·7	57·6	- 2·4	5	0·61	16	+ 3	Birmingham ..	5·4	+ 1·5	39	0	38	56·9	+1·3	52·4	+0·5
a Raunds	203	78	8th	45	10, 11	69·9	49·0	58·7	- 2·4	4	0·73	19	+ 5	Raunds	7·7	—	47	0	36	61·4	•	55·1	•
p Oxford	208	75	7, 8	48	10, 11	66·7	51·0	58·3	- 3·0	5	1·20	30	+ 17	Oxford	6·5	0·0	40	0	40	•	•	•	•
c, West .. a Cheadle (N. Staffs.) ..	646	74	7th	41	10th	66·3	47·6	56·3	- 2·0	6	0·78	20	+ 4	Cheadle	•	•	•	0	41	•	•	•	•
p Shrewsbury	191	74	8th	40	9th	67·1	47·4	56·6	- 3·4	6	0·83	21	+ 11	Shrewsbury ..	•	•	•	0	36	•	•	•	•
a Hereford	291	78	7th	41	9th	69·3	49·0	58·4	- 1·9	5	0·72	18	+ 6	Malvern	7·7	—	47	0	42	62·3	•	59·4	•
a Clifton	229	75	7	44	10	69·3	55·6	60·0	- 2·2	5	1·57	40	+ 22	Clifton	6·3	—	51	0	48	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	75	7th	42	9th	65·9	48·1	56·4	- 2·8	5	2·51	64	+ 51	Worthing	9·4	+ 1·7	59	0	49	63·0	-0·7	58·4	-0·6
p Salisbury (Wilton) ..	180	76	7th	44	9th	66·8	48·1	56·8	- 4·6	5	2·46	62	+ 50	Marlborough ..	5·8	- 0·5	36	0	32	60·3	•	55·9	•
a Wisley, Surrey ..	150	77	7, 8	48	11th	68·7	50·4	58·9	- 2·6	5	2·87	73	+ 63	Salisbury	•	•	•	0	39	63·5	•	•	•
a Tunbridge Wells ..	354	74	7, 8	49	11, 13	67·0	50·9	58·4	- 2·6	5	1·00	25	+ 13	Wisley	7·1	+ 0·1	44	0	38	60·3	-2·0	56·6	-1·8
a Margate	51	73	8th	51	10, 11	68·3	53·9	60·6	- 1·2	2	0·21	5	- 5	Tunbridge Wells	6·6	- 0·5	41	0	40	60·2	-2·7	57·2	•
a Dungeness	21	68	8th	52	7th	64·4	55·0	59·4	- 1·3	2	0·16	4	- 6	Margate	6·2	- 0·6	39	0	44	65·8	+4·1	61·7	+3·6
a St. Leonards	178	68	7, 8	54	8-10, 13	65·3	54·8	59·6	- 1·4	5	0·25	6	- 6	Folkestone ..	6·9	- 0·9	43	•	•	•	•	54·3	•
p Southampton	64	75	7th	50	9, 10	66·9	53·0	59·5	- 3·2	5	1·61	41	+ 29	St. Leonards ..	8·2	+ 0·4	51	0	49	63·3	•	58·8	•
a Ventnor	59	69	7, 8	51	10th	65·0	53·9	59·1	- 2·5	6	1·11	28	+ 17	Southampton ..	8·6	+ 1·3	54	0	39	•	•	•	•
														Ventnor	8·5	+ 0·9	53	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	77	8th	49	10th	68·4	52·1	59·7	- 2·6	5	1·67	42	+ 31	Richmond	5·9	- 0·8	37	0	39	60·8	-0·9	56·8	-0·3
a Westminster	27	76	8th	50	11th	67·8	52·7	59·7	- 3·1	5	2·49	63	+ 51	Westminster ..	5·8	- 0·2	36	0	46	•	•	•	•
ag Greenwich	149	82	8th	48	11th	71·6	51·6	60·9	- 1·8	5	3·00	76	+ 63	Greenwich ..	6·1	- 1·3	38	0	34	•	•	•	•
a Hampstead	450	75	7th	47	10, 11	66·4	50·7	58·0	—	5	2·23	57	—	Hampstead ..	5·9	—	37	•	•	•	•	•	•
ag Camden Square ..	110	81	8th	49	11th	71·1	52·4	61·1	- 2·7	6	1·64	42	+ 29	Camden Square	5·6	- 0·3	35	0	47	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	63	7th	42	11th	60·0	46·3	52·7	- 4·9	5	0·59	15	- 4	Aspatria.. ..	5·8	- 0·4	35	0	38	56·8	-3·7	54·1	+0·3
p Newton Rigg	559	68	7th	37	9th	62·1	43·9	52·4	- 5·4	5	0·63	16	0	Newton Rigg ..	5·5	- 0·8	33	0	32	58·2	-1·7	54·5	-0·1
p Stonyhurst	375	67	7th	43	9th	62·6	48·3	55·0	- 3·2	5	0·98	25	+ 4	Stonyhurst ..	5·7	- 0·4	34	0	36	•	•	•	•
p Blackpool	66	68	7th	45	9th	62·6	50·7	56·2	- 2·7	4	0·88	22	+ 6	Blackpool ..	8·3	+ 1·1	50	0	36	60·1	•	54·9	•
a Southport	37	68	7th	44	10th	62·9	49·9	56·0	- 3·0	3	0·56	14	- 2	Southport ..	8·0	+ 1·0	48	0	38	62·7	-0·6	60·3	+0·6
														Hoylake ..	6·7	0·0	41	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	67	7th	46	10th	62·1	50·7	56·0	- 3·6	5	0·32	8	- 6	Liverpool ..	7·0	—	43	0	43	•	•	•	•
a Hawarden Bridge ..	22	68	7th	45	10th	64·6	50·1	56·9	- 3·3	5	0·36	9	- 3	Manchester(City)	4·4	- 0·6	27	0	39	59·4	-0·8	58·2	+0·8
p Manchester (Whit. Pk.)	125	71	7	45	10, 11	65·4	48·3	56·9	- 4·0	6	1·18	30	+ 12	Whitworth Park	4·4	- 1·0	27	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	68	7th	47	10, 12	62·6	50·3	56·0	- 3·7	5	0·46	12	- 1	Llandudno ..	6·4	- 0·4	39	•	•	•	•	•	•
a Holyhead	15	65	7th	48	9th	61·4	50·3	55·6	- 2·6	4	0·80	20	+ 6	Holyhead ..	8·1	—	49	0	42	•	•	•	•
a Beddgelert	309	69	7th	47	9, 10	61·9	49·9	55·5	—	6	1·78	45	—	Aberdovey ..	—	—	—	—	—	—	—	—	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	66	7th	49	10th	62·3	52·6	57·1	—	4	0·96	24	—	Aberystwyth ..	7·6	+ 1·5	47	•	•	•	•	•	•
a Rhayader	757	70	7th	40	9th	61·9	48·3	53·6	—	5	0·95	24	—	Rhayader ..	7·3	—	45	0	31	•	•	•	•
a St. Ann's Head ..	149	62	7th	49	10th	59·6	51·4	55·2	- 2·7	5	0·63	16	+ 3	St. Ann's Head	10·5	+ 3·6	65	•	•	•	•	•	•
p Cardiff	202	73	7th	47	9, 10	65·6	50·7	57·6	- 2·2	6	0·85	22	+ 31	Cardiff	8·8	—	55	0	37	61·9	+0·7	57·4	−0·1
b. ENGLAND, S.W.																						
a Bath	66	76	7th	48	10th	67·1	51·9	59·0	- 1·7	5	1·48	38	+ 25	Bath	•	•	•	•	•	63·9	+1·1	59·6	+0·6
a Shaftesbury	722	75	7th	46	9, 10	64·3	48·1	55·6	- 3·8	6	2·55	65	+ 51	Shaftesbury ..	•	•	•	•	•	61·2	•	58·3	•
a Arlington	613	71	7th	44	10th	63·7	49·3	56·0	- 2·1	6	2·01	51	+ 30										
a Hartland Quay ..	100	65	7th	49	10th	60·9	53·4	56·9	—	5	0·98	25	—										
a Newquay	190	67	8th	44	10th	63·3	51·0	56·7	- 2·8	6	0·86	22	+ 10	Newquay ..	9·8	+ 2·9	61	•	•	63·1	•	58·0	•
a Cullompton	202	79	7th	43	10th	68·9	47·9	57·7	- 2·5	5	1·13	29	+ 15	Cullompton ..	6·3	+ 0·1	39	0	35	64·6	•	•	•
a Portland Bill	19	65	8th	52	11th	60·7	54·1	57·2	- 2·5	5	1·02	26	+ 17	Weymouth ..	10·1	—	63	•	•	•	•	•	•
p Plymouth	116	72	7, 8	51	10th	65·6	53·1	58·9	- 1·6	5	1·18	30	+ 15	Plymouth ..	9·4	+ 2·4	59	•	•	65·7	+2·3	—	—
a Falmouth	167	74	7th	46	10th	67·0	50·9	58·4	- 1·5	5	0·72	18	+ 3	Falmouth ..	9·6	+ 2·1	60	0	42	64·0	•	61·0	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	62	7th	46	9th	59·4	49·3	54·0	- 2·1	5	0·96	24	+ 8	Malin Head ..	5·8	—	34	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	61	7th	46	9, 10	58·0	48·4	52·9	- 4·4	6	0·59	20	+ 8·2	Markree Castle	4·9	+ 0·2	30	0	36	60·2	−0·3	55·2	−0·3
West .. *p* Markree Castle ..	122	66	7, 8, 13	39	9, 10	63·4	45·3	53·7	- 3·0	6	1·47	37	+ 17										
East .. *p* Armagh	196	68	7, 9	39	10th	64·9	47·0	55·3	- 2·3	6	0·71	18	+ 1	Armagh	4·7	+ 0·3	28	0	32	58·9	−1·7	55·4	−0·9
East .. *a* Donaghadee ..	101	64	7th	46	10, 12, 13	60·6	48·9	54·3	- 2·7	5	0·84	21	+ 5										
10. IRELAND, S.																						
p Dublin, City	47	69	7th	46	10th	63·0	49·6	55·8	- 4·0	7	1·19	30	+ 15	Trinity Coll. ..	•	•	•	0	40	59·0	−1·7	53·4	−3·4
a Birr Castle	175	66	7th	42	10th	63·0	47·7	54·8	- 3·3	7	1·06	27	+ 10	Phœnix Park ..	5·2	- 0·6	32	1	30	•	•	•	•
a Kilkenny	212	69	7th	36	10th	63·6	45·1	53·7	- 5·0	6	1·06	27	+ 11	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	20	66	8th	41	10th	63·9	48·4	55·6	- 3·7	7	1·18	30	+ 12	Birr Castle ..	4·3	- 0·6	26	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	541	69	5, 8	41	9	63·7	46·4	54·5	—	7	1·27	52	—	Seskin	5·6	—	41	0	37	•	•	•	•
a Cahir	199	71	7—	40	9—	64·3	46·6	54·9	-2·7	5	1·08	28											
a Foynes	50	67	7th	46	9th	62·7	50·0	55·9	- 2·6	7	2·04	52	+ 34										
a Cahirciveen (Val. Obs.)	30	64	7, 13	47	10th	60·3	51·7	55·7	- 2·6	7	1·61	41	+ 19	Cahirciveen ..	5·9	+ 0·5	37	0	40	•	•	•	•
a Killarney	174	69	13th	45	10th	64·0	50·1	56·8	- 2·1	7	1·67	42	+ 23	Ballinacurra ..	7·6	+ 0·5	48	•	•	•	•	•	•
a Roche's Point	32	66	7th	47	9, 10	62·3	50·4	55·9	- 2·7	6	1·03	26	+ 10										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	70	7th	49	9, 10	66·0	51·6	58·3	- 1·9	6	0·59	15	+ 3	Scilly	9·8	+ 2·6	62	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	72	7th	53	7, 11	65·3	55·0	59·8	- 2·1	5	0·71	18	+ 7	St. Heliers ..	9·1	+ 0·9	58	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	72	7th	52	9, 11	66·1	53·6	59·4	- 2·1	4	0·76	19	+ 7	Guernsey† ..	10·4	+ 2·1	65	0	46	64·9	+1·9	60·8	+1.0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 13th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	12	2	41	105	20	0	169	12	12	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	80	88	0	180	4	12	14	9	10	18	15
Aberdeen	153	105	52	—	—	—	—	2	124	42	0	146	6	10	18	10	10	17	55
Edinburgh	485	39	31	—	—	—	—	43	97	28	0	259	9	13	11	13	10	12	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	42	66	60	0	214	9	7	18	13	9	17	5
Paisley	188	81	15	—	—	—	—	2	97	69	0	326	6	12	17	14	13	10	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	2	89	77	0	157	6	12	13	12	13	8	45
South Shields	72	61	12	—	—	—	—	24	84	60	0	281	8	13	7	14	13	10	40
Spurn Head	66	40	‡	—	Instrument dismounted for	repair.		—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	43	120	5	0	169	10	10	9	—	—	—	—
Gorleston	52	42	‡	—	—	8 to 12	30	74	63	1	0	169	14	10	15	21	11	9	20
Shoeburyness	103	90	‡	—	—	10 to 12	19	81	67	1	0	225	16	11	12	24	11	12	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	44	93	31	0	203	9	11	6	16	11	5	45
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	59	107	2	0	—	11	11	9	22	11	9	55
Brighton	261	53	6	—	—	11, 12	11	98	42	17	0	—	13	11	9	20	11	9	35
S. Farnboro' (Pyestock Tower).	443	152	‡	—	—	12	4	114	38	12	0	225	13	12	12	22	12	12	25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	19	112	37	0	225	8	12	10	18	12	10	0
S. Kensington	123	92	30	—	—	—	—	—	137	31	0	225	5	12	10	12	11	12	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	1	53	84	30	270	7	12	17	11	9	7	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	12	1	49	108	10	0	259	11	12	18	—	—	—	—
Southport	80	62	48	—	—	12	2	69	97	0	0	270	12	12	18	15	9	7	25
Holyhead	60	40	‡	—	—	—	—	66	94	8	0	236	8	12	16	12	12	15	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	9, 11, 12	10	52	72	34	0	225	14	12	1	19	12	11	50
Plymouth	185	88	2	—	—	—	—	52	82	34	0	—	8	12	13	15	11	2	30
Lyme Regis	556	61	‡	—	—	—	—	51	61	52	4	—	9	9	15	17	12	4	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	33	112	9	14	225	9	8	6	—	—	—	—
Quilty	100	40	‡	—	—	—	—	100	53	7	8	—	10	10	21	15	8	8	35
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	81	67	20	0	140	10	13	24	17	13	23	5
Weaver Pt.	160	30	‡	—	—	—	—	53	106	9	0	—	10	12	13	16	11	16	40
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	10 to 12	8	77	41	42	0	293	12	11	4	19	12	6	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-EIGHTH WEEK of 1918—July 7th to July 13th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	39	87·2	81·0	83·9	− 1·3	67	− 22	0	0	6	+ 2	1·45	37	+ 20	3·7	−0·8	21	1004
Eastern.																			
1. SCOTLAND, EAST ...	71	28	89·6	80·4	84·7	− 1·9	77	− 23	0	0	5	+ 1	0·68	17	0	4·6	−0·8	27	1004
2. ENGLAND, N.E.	76	38	92·1	82·1	86·7	− 1·2	102	− 14	0	0	5	+ 2	0·57	14	+ 1	6·5	+0·3	39	1006
3. ENGLAND, EAST ...	79	43	93·2	82·9	87·7	− 1·1	116	− 14	0	0	4	+ 1	0·81	21	+ 8	6·8	0·0	41	1009
4. MIDLAND COUNTIES ...	78	39	92·6	82·8	86·9	− 1·5	106	− 18	0	0	5	+ 2	0·83	21	+ 8	6·4	+0·3	39	1007
5. ENGLAND, S.E.	77	42	92·3	84·1	87·9	− 1·4	118	− 15	0	0	5	+ 2	1·38	35	+ 11	7·3	+0·1	46	1009
Western.																			
6. SCOTLAND, WEST ...	67	39	89·1	81·6	85·1	− 1·8	82	− 23	0	0	6	+ 2	0·88	22	0	4·8	−1·5	28	1005
7. ENGLAND, N.W.	68	37	89·8	82·3	85·8	− 2·0	92	− 25	0	0	5	+ 2	0·61	15	− 2	6·4	+0·1	38	1006
8. ENGLAND, S.W.	79	40	91·0	83·2	86·8	− 1·5	104	− 18	0	0	5	+ 2	1·35	34	+ 18	8·6	+2·1	54	1009
9. IRELAND, NORTH ...	68	39	89·4	81·8	85·3	− 1·6	85	− 20	0	0	6	+ 2	0·94	24	+ 6	5·3	+0·3	32	1005
10. IRELAND, SOUTH ...	69	36	90·2	82·5	86·1	− 1·7	95	− 22	0	0	7	+ 3	1·36	35	+ 17	5·8	+0·3	35	1007
11. ENGLISH CHANNEL ...	72	49	91·8	84·9	88·1	− 1·0	120	− 13	0	0	5	+ 2	0·69	17	+ 5	9·8	+1·8	61	1011

THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, June 2nd to July 13th, 1918

0. SCOTLAND, NORTH ...	76	27	87·2	80·5	83·6	− 1·2	384	− 94	0	− 1	27	+ 4	4·63	118	+ 18	4·8	−0·1	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	80	27	89·5	80·3	84·6	− 1·1	454	− 83	0	0	19	− 2	1·83	47	− 36	6·3	+0·5	36	1014
2. ENGLAND, N.E.	80	29	91·0	81·5	85·9	− 0·7	558	− 47	0	0	15	− 3	1·18	30	− 43	6·8	+0·6	41	1016
3. ENGLAND, EAST ...	80	34	91·8	81·8	86·5	− 1·1	598	− 86	0	0	14	− 4	1·81	46	− 25	7·5	+0·6	45	1017
4. MIDLAND COUNTIES ...	81	35	92·1	81·4	86·4	− 1·0	592	− 76	0	0	17	− 1	1·75	45	− 29	6·8	+0·6	41	1017
5. ENGLAND, S.E.	82	32	92·3	82·2	86·9	− 1·1	630	− 80	0	0	14	− 3	2·39	60	− 7	8·0	+0·8	49	1018
Western.																			
6. SCOTLAND, WEST ...	80	35	89·7	81·3	85·2	− 1·1	501	− 84	0	0	23	+ 1	2·92	74	− 33	6·7	+0·2	40	1016
7. ENGLAND, N.W.	77	36	89·8	82·3	85·8	− 1·1	547	− 84	0	0	19	0	2·36	60	− 27	6·9	+0·4	41	1018
8. ENGLAND, S.W.	81	32	91·3	82·4	86·5	− 0·8	599	− 63	0	0	13	− 6	2·59	66	− 20	8·7	+1·9	54	1019
9. IRELAND, NORTH ...	80	36	89·4	81·9	85·4	− 0·9	520	− 62	0	0	24	0	2·69	68	− 28	5·9	+0·6	35	1017
10. IRELAND, SOUTH ...	84	36	91·2	82·5	86·6	− 0·5	605	− 44	0	0	21	0	3·07	78	− 16	7·0	+1·2	42	1020
11. ENGLISH CHANNEL ...	77	44	91·2	84·0	87·3	− 0·6	663	− 47	0	0	14	− 4	1·30	34	− 32	10·0	+2·0	63	1021

THE YEAR 1918.—Aggregates, &c., for the Period of 28 Weeks, December 30th, 1917, to July 13th, 1918.

0. SCOTLAND, NORTH ...	76	5	82·9	76·7	79·7	+ 0·1	906	− 14	514	− 25	121	− 6	23·51	594	− 36	3·4	−0·2	26	1014
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	83·6	76·1	79·7	− 0·1	1013	− 38	617	0	100	− 9	12·00	303	− 73	3·9	−0·2	30	1015
2. ENGLAND, N.E.	83	9	84·6	77·5	80·9	+ 0·4	1248	+ 70	394	− 78	90	− 8	9·51	241	− 54	4·2	−0·3	33	1016
3. ENGLAND, EAST ...	81	14	85·2	77·3	81·1	+ 0·1	1349	− 33	411	− 83	83	−13	10·79	275	− 12	4·8	+0·1	38	1017
4. MIDLAND COUNTIES ...	84	12	85·8	77·3	81·4	+ 0·4	1428	+ 38	402	−120	85	−10	11·46	291	− 33	4·2	0·0	33	1017
5. ENGLAND, S.E.	83	15	85·8	78·0	81·7	+ 0·1	1472	− 6	353	− 26	82	−11	12·16	308	− 8	5·0	+0·1	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	84·5	77·4	80·8	+ 0·1	1193	+ 18	374	− 42	106	−10	19·75	502	− 62	4·2	0·0	32	1016
7. ENGLAND, N.W.	84	12	84·9	78·2	81·4	+ 0·4	1327	+ 71	280	−102	92	−10	13·73	350	− 56	4·5	+0·1	35	1016
8. ENGLAND, S.W.	82	16	85·5	78·5	82·0	+ 0·4	1449	+ 39	256	− 45	85	−17	15·19	388	− 62	5·2	+0·5	41	1017
9. IRELAND, NORTH ...	80	18	84·8	78·2	81·4	+ 0·3	1307	+ 72	277	− 63	114	−14	15·33	389	− 72	4·1	+0·1	32	1015
10. IRELAND, SOUTH ...	84	19	86·0	78·9	82·3	+ 0·4	1553	+ 92	217	− 43	107	− 4	18·45	467	− 23	4·7	+0·3	36	1017
11. ENGLISH CHANNEL ...	81	26	85·9	80·2	82·9	0·0	1653	+ 20	91	− 14	89	−18	10·44	266	−105	6·1	+0·5	48	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: July 18th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON - 113 26.7.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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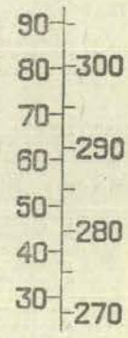
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 29.

THE TWENTY-NINTH WEEK OF 1918.
SUNDAY, JULY 14TH, TO SATURDAY, JULY 20TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d

I.—GENERAL SUMMARY. [First published in 1878.]

Atmospheric pressure was again high over the Arctic region and also between the Azores and Spain, depressions from the Atlantic passing over the British Islands all the week. Moderate to fresh South-Westerly winds prevailed over the greater part of the United Kingdom, but on the north-eastern and northern coasts the wind was frequently Easterly or South-Easterly. The day temperatures were rather low and the night minima rather high. The absolute maximum, 300 a., was observed at Norwich and Geldeston on the 16th, while the lowest temperature in the screen, 277 a. on the 14th, was registered at West Linton and Rhayader; on the grass there were readings of 272 a. at Morpeth, Durham and Rhayader. The mean temperature for the week was equal to the normal in England South-West and Ireland South, but above it elsewhere, the greatest excess being 1·6 a. in England North-East. Rainfall was heavy or very heavy in all Districts excepting Ireland North. Over Great Britain thunderstorms occurred in some districts nearly every day, rain measurements of 20mm. and upwards being very common, chiefly on the 17th and 20th. The storm of the 17th at Norwich is described as "terrific" with "appalling crashes of thunder," and that of the 20th at Bawtry as a "long-continued tropical thunderstorm," on the latter day the rainfall at Guernsey (Brooklyn) totalled 44mm., of which 27mm. fell in 35 minutes; the hailstones were very destructive to the glass-houses at Worthing. Fog prevailed at times at Aberdeen, Dublin, Falmouth and Guernsey between the 15th and 17th.



Temperature Scales.

Solar halos were observed at Oxford on the 15th, 16th and 20th, and at Birmingham on the 16th and 19th, and a Moon pillar at Oxford on the 16th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	3·0	16	3·0	24	3·8	21	3·1	25	4·4	23	3·4	19	3·8	20	3·7
North	5	2·8	5	2·1	1	2·0	0	—	1	3·4	3	5·7	1	1·1	1	0·5
West	5	3·0	14	3·7	14	2·7	18	2·1	20	2·9	23	4·3	10	4·0	12	1·7
East	18	4·4	6	2·8	8	3·3	3	1·8	5	3·9	1	4·3	11	2·2	9	2·2
Calm	3	—	6	—	3	—	7	—	1	—	1	—	4	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate
Rainfall ...	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Moderate	Heavy	Very heavy
Sunshine ...	Abundant	Abundant	Moderate	Scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty	Moderate	Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 7 weeks from June 2nd, 1918. Warmth ...	1, 2, 4	0, 3, 4	2, 2, 3	1, 3, 3	1, 3, 3	0, 4, 3	2, 1, 4	2, 1, 4	2, 1, 4	2, 1, 4	1, 2, 4	1, 3, 3
Rainfall ...	3, 2, 2	1, 3, 3	1, 2, 4	2, 2, 3	2, 1, 4	2, 2, 3	1, 4, 2	1, 4, 2	2, 2, 3	0, 5, 2	3, 2, 2	2, 2, 3
Sunshine ...	3, 2, 2	3, 3, 1	1, 6, 0	2, 4, 1	2, 3, 2	3, 3, 1	3, 1, 3	3, 1, 3	4, 1, 2	3, 3, 1	3, 3, 1	4, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(18529—19.) Wt. 199—789. 625. 7/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.		Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			
			Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.		Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
a, Islands	a Lerwick	54	62	17, 20	44	17th	57·4	48·1	52·4	− 0·2	4	1·08	27	+ 12
	p Deerness	160	64	17th	50	14, 17, 20	59·4	50·9	54·9	—	5	1·57	40	+ 23
	a Stornoway	31	65	14, 20	49	16th	61·9	51·7	56·4	+ 1·9	7	1·74	44	+ 23
	a Castlebay, Barra Isd.	37	63	20th	52	14th	60·6	54·3	57·2	—	5	1·26	32	—
b, Mainland.	a Wick	81	65	19th	49	14th	58·1	51·4	54·5	+ 0·1	4	1·59	40	+ 23
	p Glencarron	500	67	14th	43	14th	62·4	50·3	55·9	+ 1·3	7	2·38	60	+ 24
	p Fort Augustus	68	71	17th	43	14th	66·1	50·7	57·9	+ 1·7	5	1·17	30	+ 11
	p Fort William	171	71	17th	45	14th	65·6	52·0	58·3	+ 1·3	7	1·31	33	0
1. SCOTLAND, E.														
	a Nairn	82	73	17th	44	14th	65·6	50·3	57·4	+ 1·0	7	2·57	65	+ 49
	p Gordon Castle	101	70	17th	46	17th	64·6	51·3	57·5	+ 1·1	5	1·60	41	+ 21
	a Aberdeen	46	69	19th	47	14th	64·3	52·7	58·1	+ 1·8	7	2·37	60	+ 43
	a Balmoral	930	70	18th	40	15th	62·7	46·3	53·9	− 0·4	6	3·14	80	+ 63
	p Crieff	432	70	17th	41	14th	66·6	51·1	58·3	+ 0·5	7	2·70	69	+ 49
	a Dundee	244	74	17th	41	14th	66·7	50·9	58·3	+ 0·3	6	2·35	60	+ 42
	a Leith	30	71	14, 15, 17	48	14th	68·4	53·4	60·4	+ 2·1	7	2·37	60	+ 44
	p Edinburgh	441	71	17th	48	14th	67·0	53·3	59·7	+ 3·1	7	2·66	68	+ 52
	a West Linton	769	70	17th	39	14th	64·9	49·6	56·7	+ 2·2	7	1·86	47	—
	p Marchmont	498	74	17th	45	14th	68·3	51·4	59·3	+ 2·9	6	1·76	45	+ 25
6. a, SCOTLAND, W.														
	a Ford (Argyll)	149	69	17th	43	14th	65·7	50·9	57·8	—	7	1·41	36	—
	p Glasgow Observatory	180	73	17th	49	14th	67·4	54·3	60·4	+ 2·7	7	1·21	31	+ 13
	p Rothesay	200	67	17th	48	14th	64·9	52·7	58·4	+ 1·1	7	1·93	49	+ 26
	a Kilmarnock	90	74	17th	50	14th	70·7	54·7	62·1	+ 5·4	7	1·37	35	+ 16
	a Colmonell	170	70	18th	51	14, 15	67·7	54·6	60·7	—	6	1·12	28	—
	p Cally, Gatehouse	120	68	15, 17	59	14th	65·6	53·9	59·3	+ 2·6	6	2·47	63	+ 43
	p Dumfries	160	71	14th	48	14th	66·4	54·6	60·1	+ 1·5	5	1·43	36	+ 18
	a Eskdalemuir	794	69	17th	40	14th	64·0	49·6	56·3	—	7	1·97	50	—
b. I. OF MAN	p Douglas	277	65	18, 19	52	14th	62·3	53·7	57·7	+ 0·5	7	1·65	42	+ 24
2. ENGLAND, N.E.														
a North	a Alnwick Castle	210	73	15, 16, 17	43	14th	69·0	52·0	59·9	+ 2·4	6	2·24	57	+ 41
	a Tynemouth	71	73	16th	48	14th	66·9	53·4	59·7	+ 2·2	7	1·71	43	+ 29
	p Durham	336	73	15, 17	47	14th	69·6	53·4	60·9	+ 2·6	7	2·00	51	+ 35
	p Rounton	249	73	17th	42	14th	70·4	52·4	60·8	+ 3·1	7	2·57	65	+ 48
	a West Witton	605	72	16th	42	14th	67·9	53·0	59·9	—	7	3·54	90	—
	p Scarborough	100	75	17th	54	18th	69·9	56·9	63·0	+ 4·0	6	1·46	37	+ 23
	p York	56	75	16, 17	49	14th	72·6	55·3	63·4	+ 3·3	7	1·42	36	+ 21
b, South	a Spurn Head	26	74	15th	52	14th	67·7	55·6	61·2	+ 1·6	6	2·05	52	+ 42
	a Lincoln	58	75	16, 17	51	14th	72·7	55·9	63·7	+ 2·9	5	0·98	25	+ 12
	a Fulbeck	180	76	16, 17	46	14th	71·6	54·9	62·7	+ 2·2	6	1·06	27	+ 13
3. ENGLAND, E.														
	p Cromer	196	79	16th	50	14th	73·1	55·1	63·5	+ 3·5	6	2·19	56	+ 40
	a Little Massingham	280	78	16th	48	14th	72·4	53·3	62·2	+ 1·6	5	1·75	45	+ 26
	a Yarmouth	13	75	16th	51	14th	69·4	56·3	62·4	+ 1·9	7	2·34	60	+ 44
	a Norwich	93	80	16th	50	14th	73·6	55·7	64·0	+ 2·9	6	1·84	47	+ 30
	a Geldeston	37	81	16th	49	14th	73·6	54·4	63·3	+ 2·6	7	2·01	51	+ 36
	p Cambridge	41	77	16th	47	14, 15	71·7	53·3	61·9	+ 0·3	6	1·37	35	+ 20
	a Clacton-on-Sea	54	71	16th	58	16th	66·9	57·4	61·8	+ 0·6	7	1·70	43	+ 30
	a Rothamsted	424	74	16th	42	14th	68·9	54·3	61·1	+ 0·6	7	0·96	24	+ 8
	p Tottenham	51	76	16th	50	14th	70·3	57·1	63·2	—	7	1·96	50	—
4. MIDLAND COUNTIES.														
a North	a Harrogate	479	73	16th	43	14th	69·1	52·4	60·2	+ 1·9	7	1·78	45	+ 31
	p Sheffield	429	74	16th	49	14th	70·1	54·7	61·9	—	7	2·46	63	—
	p Buxton	987	70	16th	42	14th	65·7	52·1	58·4	—	7	1·63	41	+ 21
b, East	a Bawtry	65	75	17, 19	50	14, 15	72·7	54·7	63·1	+ 2·7	7	2·38	60	+ 48
	a Nottingham	82	75	16th	48	14th	70·7	55·0	62·3	+ 1·6	6	0·72	18	+ 6
	p Birmingham, Edgbsn.	535	72	17th	50	14th	68·3	54·6	61·0	+ 0·6	6	0·92	23	+ 11
	a Raunds	203	76	15, 16	47	14th	71·3	54·1	62·1	+ 0·6	5	1·71	43	+ 30
	p Oxford	208	72	16th	50	14th	68·1	55·9	61·6	− 0·1	6	1·61	41	+ 29
c, West	a Cheadle (N. Staffs.)	646	71	19th	47	14th	67·9	53·3	60·1	+ 1·4	7	2·08	53	+ 38
	p Shrewsbury	191	76	19th	44	14th	70·9	53·6	61·7	+ 1·3	7	1·22	31	+ 21
	a Hereford	291	72	17, 20	48	14th	67·4	54·1	60·3	− 0·4	7	0·57	15	+ 4
	a Clifton	229	74	17.20	54	14	70.6	57.3	63.5	+ 0.9	6	2.06	52	+ 35
5. ENGLAND, S.E.														
	a Marlborough	424	68	16, 17, 20	46	14th	66·6	54·1	59·9	+ 0·9	6	1·94	49	+ 34
	p Salisbury (Wilton)	180	71	20th	46	14th	68·2	54·9	61·1	0·0	7	1·62	41	+ 26
	a Wisley, Surrey	150	77	16th	49	14th	70·3	55·6	62·4	+ 1·3	6	0·52	13	+ 1
	a Tunbridge Wells	354	77	16th	49	14th	69·9	55·0	61·9	+ 1·0	5	1·66	42	+ 28
	a Margate	51	77	16th	52	14th	70·6	57·0	63·3	+ 1·3	5	1·62	41	+ 29
	a Dungeness	21	68	19, 20	56	14, 15	66·3	57·1	61·4	+ 0·4	5	0·87	22	+ 11
	p St. Leonards	178	76	17th	54	14th	68·1	57·9	62·6	+ 1·3	4	1·50	38	+ 24
	p Southampton	64	70	16th	54	14, 15	67·0	57·3	61·8	− 0·8	5	1·53	39	+ 25
	a Ventnor	59	68	16th	53	14th	65·1	57·3	60·9	− 1·0	7	0·70	18	+ 6
LONDON.	p Richmond (Kew Obs.)	18	76	16th	48	14th	70·5	56·7	63·1	+ 0·7	6	0·83	21	+ 8
	a Westminster	27	75	16th	50	14th	71·0	57·4	63·7	+ 0·7	6	1·85	47	+ 33
	ag Greenwich	149	80	16th	47	14th	74·1	55·6	64·2	+ 1·1	6	2·01	51	+ 38
	a Hampstead	450	74	16th	50	14th	68·6	56·0	61·9	—	6	0·98	25	—
	ag Camden Square	110	79	16th	48	14th	73·6	56·6	64·5	+ 0·7	5	1·12	28	+ 13
7. a, ENGLAND, N.W.														
	p Aspatria (Mealsgate)	487	68	17th	48	14th	64·6	53·6	58·7	+ 0·8	6	2·37	60	+ 41
	p Newton Rigg	559	71	19th	43	14th	67·7	52·1	59·4	+ 1·5	7	2·43	62	+ 46
	p Stonyhurst	375	71	17th	46	14th	67·9	53·7	60·3	+ 1·8	7	2·01	51	+ 29
	p Blackpool	66	70	17th	47	14th	67·7	55·7	61·3	+ 2·1	7	2·08	53	+ 37
	a Southport	37	71	20th	45	14th	67·6	54·3	60·5	+ 1·2	6	2·13	54	+ 38
	a Liverpool (Bidston)	188	74	20th	50	14th	68·0	55·0	61·1	+ 1·2	7	2·64	67	+ 53
	a Hawarden Bridge	22	74	20th	48	14th	70·6	55·0	62·3	+ 1·8	7	1·30	33	+ 20
	p Manchester (Whit. Pk.)	125	75	20th	48	14th	70·7	54·7	62·1	+ 1·6	7	1·90	48	+ 30
b, NORTH WALES.														
	p Llandudno	16	69	16, 20	47	14th	67·3	55·4	60·9	+ 0·8	7	1·44	37	+ 24
	a Holyhead	15	67	17th	50	14th	64·4	54·1	58·9	+ 0·3	7	2·38	60	+ 46
	a Beddgelert	309	67	17th	41	14th	63·6	52·7	57·8	—	7	3·47	88	—
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	4·7	+ 0·5	27	*	*	*	*	*	*
Stornoway	6·2	+ 1·7	36	*	*	*	*	*	*
Castlebay	5·4	—	32	*	*	*	*	*	*
Fort Augustus	3·8	+ 0·4	22	*	*	*	*	*	*
Nairn	5·3	—	31	*	*	*	*	*	*
Gordon Castle	5·0	—	29	*	*	*	*	*	*
Aberdeen	5·9	+ 0·8	35	0	40	*	*	53·7	+0·5
Balmoral	*	*	*	0	36	*	*	*	*
Crathes	6·1	+ 1·2	36	0	38	59·4	+1·1	55·1	+0·7
Dundee	6·1	—	37	0	34	58·3	*	*	*
Leith	*	*	*	0	42	*	*	*	*
Edinburgh	5·3	0·0	32	0	40	*	*	*	*
West Linton	5·4		33	0	35	*	*	*	*
Marchmont	7·7	+ 2·4	46	*	*	*	*	*	*
Ford (Argyll)	*	*	*	0	36	59·2	*	55·2	*
Glasgow	4·8	+ 0·3	29	0	40	*	*	*	*
Rothesay	4·9		29	0	43	60·0	*	54·9	−0·4
Kilmarnock	5·3	—	32	*	*	60·1	*	54·5	*
Colmonell	*	*	*	0	48	*	*	*	*
Dumfries	6·4	—	39	0	39	61·5	+0·1	57·6	−1·2
Eskdalemuir	4·9	—	30	0	43	*	*	*	*
Douglas	4·2	− 2·1	26	0	48	*	*	*	*
Cockle Park	6·8	+ 1·5	41	0	32	58·1	−0·2	54·6	−0·5
Durham	6·2	+ 1·1	38	0	31	*	*	*	*
Rounton	*	*	*	0	37	59·4	*	*	*
West Witton	*	*	*	0	37	58·8	*	53·1	*
Scarborough†	6·3	+ 0·9	39	*	*	*	*	50·1	*
York	5·4	+ 0·1	33	*	*	59·9	+0·4	56·1	0·0
Spurn Head	3·6	—	22	*	*	*	*	*	*
Lincoln	*	*	*	0	45	61·8	+1·0	56·7	+0·1
Rauceby	4·7	− 1·6	29	*	*	63·1	+0·2	57·5	+0·3
Skegness	6·5	0·0	40	*	*	*	*	*	*
Cromer	6·0	− 0·5	37	*	*	*	*	*	*
Lit. Massingham	5·3	− 0·9	33	*	*	*	*	*	*
Yarmouth	7·0	—	44	—	—	63·3	−0·9	58·4	−1·8
Norwich	5·9	—	37	0	45	62·7	*	*	*
Geldeston	5·6	− 1·0	35	*	*	*	*	*	*
Cambridge	4·7	− 1·7	29	0	37	62·0	−0·9	57·9	−1·2
Clacton	5·5	− 1·5	35	0	50	62·1	+0·8	58·4	−0·7
Rothamsted	3·6	− 2·9	23	0	37	60·1	*	*	*
Tottenham	3·4	—	21	0	46	*	*	59·3	−1·1
Harrogate	4·2	− 1·4	26	0	38	57·6	+0·2	55·4	−0·1
Sheffield	5·0	− 0·5	31	0	42	59·3	+0·4	54·3	−0·1
Buxton	3·7	—	23	0	43	58·2	−0·3	54·5	+0·3
Worksop	4·4	− 0·6	27	0	38	60·1	*	56·0	*
Nottingham	3·4	− 2·0	21	0	45	61·6	+0·7	57·6	+0·2
Birmingham	3·5	− 1·1	22	0	39	56·8	+0·6	52·8	+0·3
Raunds	4·8	—	30	0	38	61·8	*	55·9	*
Oxford	2·7	− 3·4	17	0	46	*	*	*	*
Cheadle	*	*	*	0	47	*	*	*	*
Shrewsbury	*	*	*	0	42	*	*	*	*
Malvern	3·8	—	24	0	46	61·7	*	59·3	*
Clifton	3.5	—	41	0	53	*	*	*	*
Worthing	3·7	− 3·6	24	0	48	63·4	−0·6	58·9	−1·1
Marlborough	2·8	− 3·1	18	0	40	60·3	*	56·1	*
Salisbury	*	*	*	0	44	63·4	*	*	*
Wisley	3·3	− 3·2	21	0	37	61·5	−1·1	57·2	−1·7
Tunbridge Wells	3·1	− 3·6	19	0	40	61·3	−2·0	57·5	*
Margate	4·2	− 2·1	26	0	45	65·4	+3·4	61·9	+3·3
Folkestone	4·5	—	28	*	*	*	*	54·8	*
St. Leonards	4·8	− 2·5	30	0	48	64·1	*	59·3	*
Southampton	2·4	− 4·4	15	0	44	*	*	*	*
Ventnor	2·4	− 4·7	15	*	*	*	*	*	*
Richmond	3·0	− 3·3	19	0	38	61·3	−0·8	56·8	−0·8
Westminster	3·4	− 2·3	21	0	43	*	*	*	*
Greenwich	3·9	− 3·7	25	0	36	*	*	*	*
Hampstead	3·0	—	19	*	*	*	*	*	*
Camden Square	3·0	− 2·5	19	0	46	*	*	*	*
Aspatria	5·2	− 0·3	32	0	44	59·0	−1·4	54·4	−0·6
Newton Rigg	5·1	− 0·4	31	0	37	58·7	−1·4	54·7	−0·6
Stonyhurst	2·6	− 2·7	16	0	39	*	*	*	*
Blackpool	4·6	− 1·7	28	0	39	61·4	*	55·4	*
Southport	4·8	− 1·4	29	0	37	63·8	+0·2	60·5	+0·2
Hoylake	5·0	− 0·9	31	*	*	*	*	*	*
Liverpool	4·5	—	28	0	46	*	*	*	*
Manchester (City)	3·0	− 1·4	19	0	44	61·5	+0·8	58·7	+0·7
Whitworth Park	3·3	− 1·4	20	*	*	*	*	*	*
Llandudno	4·5	− 1·5	28	*	*	*	*	*	*
Holyhead	3·9	—	24	0	44	*	*	*	*
Aberdovey	—	—	—	*	*	*	*	*	*

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	65	14, 17, 20	50	14th	64·4	55·3	59·5	—	6	1·62	41	—	Aberystwyth ..	3·6	- 2·0	23	*	*	*	*	*	*
a Rhayader	757	70	19th	39	14th	65·6	52·3	58·5	—	7	2·13	54	—	Rhayader ..	3·6	—	23	0	31	*	*	*	*
a St. Ann's Head	149	64	19th	53	14, 20	60·9	55·1	57·8	- 0·9	7	1·34	34	+ 19	St. Ann's Head	3·7	- 2·7	23	*	*	*	*	*	*
p Cardiff	202	72	20th	51	15th	66·9	55·1	60·6	+ 0·2	7	1·81	46	+ 26	Cardiff	3·1	—	19	0	48	62·0	+0·9	57·7	-0·5
b. ENGLAND, S.W.																						
a Bath	66	73	20th	51	14th*	70·4	56·3	62·9	+ 1·7	7	1·44	37	+ 22	Bath	*	*	*	*	*	63·8	+0·3	59·9	-0·1
a Shaftesbury	723	69	20th	49	14th	64·7	54·0	59·0	- 1·0	5	0·91	23	+ 7	Shaftesbury ..	*	*	*	*	*	60·4	*	58·5	*
a Arlington	613	69	20th	50	14th	65·4	54·4	59·5	+ 0·8	7	1·53	39	+ 14										
a Hartland Quay ..	100	66	20th	50	17th	64·4	58·0	59·9	—	6	1·41	36	—										
a Newquay	190	70	17th	54	14, 19	66·6	56·1	61·0	+ 0·8	7	1·10	28	+ 14	Newquay ..	4·3	- 2·1	27	*	*	63·1	*	58·4	*
a Cullompton	202	72	16th	50	19th	69·0	55·7	61·9	+ 1·2	7	1·53	39	+ 23	Cullompton ..	2·0	- 3·8	13	0	45	61·8	*	*	*
a Portland Bill	19	64	20th	55	14th	61·9	56·6	59·1	- 1·3	5	1·04	27	+ 16	Weymouth ..	2·6	—	17	*	*	*	*	*	*
p Plymouth	116	65	14, 18, 19	56	14th	63·3	58·1	60·5	- 0·6	7	0·70	18	+ 1	Plymouth ..	2·2	- 4·3	14	*	*	63·1	-0·7	—	*
a Falmouth	167	66	14, 18-20	55	14th	65·3	56·9	60·8	+ 0·3	7	1·37	35	+ 18	Falmouth ..	2·4	- 4·5	15	0	54	63·3	—	61·0	*
9. IRELAND, N.																						
West .. *a* Malin Head	208	65	17th	52	14, 17, 20	62·4	52·6	57·2	+ 0·7	6	0·41	11	- 7	Malin Head ..	4·0	—	24	*	*	*	*	*	*
a Blacksod Point ..	327	68	Nth 15	51	20th	64·3	53·9	58·7	+ 2·1	5	0·35	9	- 11	Markree Castle	4·2	+ 0·1	26	0	39	60·7	+0·1	58·2	+0·2
p Markree Castle ..	122	68	16, 20	42	20th	66·1	50·1	57·5	+ 0·5	6	0·59	15	- 7										
b, East .. *p* Armagh	196	69	19th	50	14, 17	65·6	52·6	58·7	+ 0·9	7	0·85	22	+ 4	Armagh	4·5	+ 0·1	28	0	42	59·5	-1·7	55·6	-1·3
a Donaghadee	101	70	19th	51	14th	64·9	52·7	58·4	+ 1·1	7	1·02	26	+ 8										
10. IRELAND, S.																						
p Dublin, City	47	71	19th	50	14th	66·6	53·9	59·8	- 0·6	6	0·60	15	+ 2	Trinity Coll. ..	*	*	*	0	40	59·6	-1·3	56·9	-0·5
a Birr Castle	175	71	16th	49	17th	67·9	52·3	59·8	+ 0·8	5	1·22	31	+ 16	Phœnix Park ..	4·8	- 0·4	30	0	32	*	*	*	*
a Kilkenny	212	70	19, 20	47	17th	68·3	51·0	59·1	- 0·2	6	1·06	27	+ 12	Dublin City ..	*	*	*	0	45	*	*	*	*
a Waterford	20	70	19th	50	17th	66·0	53·7	59·4	- 0·6	6	0·87	22	+ 6	Birr Castle ..	4·4	0·0	27	0	40	*	*	*	*
p Seskin, Carrick-on-Suir	541	68	18th	49	17th	65·9	51·3	58·1	—	6	1·04	26	—	Seskin	5·4	—	34	0	44	*	*	*	*
a Cahir	199	69	16-18	50	16, 17, 19	67·7	51·0	58·8	- 0·5	6	1·95	50											
a Foynes	50	70	16th	49	17th	66·3	52·9	59·1	- 0·1	5	1·19	30	+ 14										
a Cahirciveen (Val. Obs.)	30	67	17th	47	20th	64·9	52·4	58·2	- 0·9	4	0·71	18	- 2	Cahirciveen ..	8·0	+ 3·2	50	0	42	*	*	*	*
a Killarney	174	74	17th	50	16, 20	69·4	53·5	60·9	+ 1·5	6	0·60	15	- 2	Ballinacurra ..	7·0	+ 1·7	44	*	*	*	*	*	*
a Roche's Point	32	65	15, 20	45	20th	64·1	53·4	58·4	- 0·9	7	1·47	37	+ 22										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	67	19th	56	14, 18, 19	64·6	56·6	60·3	- 0·3	7	1·71	43	+ 30	Scilly	5·2	- 1·4	33	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	72	17th	58	14, 20	68·6	59·1	63·5	+ 1·2	7	1·38	35	+ 23	St. Heliers	4·8	- 2·7	31	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	71	16th	56	14th	68·3	58·3	63·0	+ 1·1	7	2·10	53	+ 40	Guernsey† ..	4·7	- 3·0	30	0	51	64·3	+0·9	61·1	+0·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 20th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s			m/s			
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	68	85	15	0	56	11	16	19	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	1	103	57	7	214	6	19	14	13	19	13	30
Aberdeen	153	105	52	—	—	—	—	23	101	44	0	67	7	16	12	14	19	13	35
Edinburgh	485	39	31	—	—	—	—	43	80	45	0	236	9	19	1	16	19	0	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	66	70	32	0	200	10	16	14	15	18	16	30
Paisley	188	81	15	—	—	—	—	12	106	50	0	270	7	18	22	16	19	16	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	*72	61	12	—	—	—	—	21	84	61	2	281	9	18	19	20	16	18	55
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	14	2	37	119	10	0	135	12	14	16	—	—	—	—
Gorleston	52	42	‡	—	—	14, 18	11	111	38	8	0	203	15	18	13	21	18	13	20
Shoeburyness	103	90	‡	—	—	14, 18	8	81	73	6	0	225	15	18	13	21	18	13	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	33	110	25	0	225	10	18	12	17	18	15	45
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	18	3	53	114	0	0	—	11	18	10	19	18	9	40
Brighton	261	53	6	—	—	—	—	71	80	17	0	—	11	13	11	20	17	18	5
S. Farnboro'	443	152	‡	—	—	18	11	72	66	15	4	203	14	18	11	22	18	12	5
Stonehenge	—	—	—	—	—	18	8	95	62	3	0	225	14	18	11	19	18	10	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	9	106	51	2	203	10	18	12	18	18	12	15
S. Kensington	123	92	30	—	—	—	—	4	113	51	0	247	6	18	13	12	18	10	40
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	5	52	111	0	247	6	18	17	12	18	18	40
Fleetwood (Cup Anr.) ..	109	44	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	18, 20	8	43	110	7	0	236	14	18	16	19	14	10	50
Holyhead	60	40	‡	—	—	18, 20	3	110	45	10	0	304	12	20	18	16	18	16	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	18 to 20	13	82	53	20	0	—	13	18	12	17	18	13	45
Plymouth	185	88	2	—	—	18	1	69	92	6	0	—	11	18	5	16	18	12	40
Lyme Regis	556	61	‡	—	—	—	—	33	66	69	0	—	9	18	9	15	18	7	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	‡	—	—	14	1	43	87	22	15	135	11	14	10	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	14	4	80	47	37	0	—	12	14	6	16	14	5	55
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	—	—	—	52	91	25	0	135	9	14	1	16	14	1	20
Weaver††	160	30	‡‡‡‡	—	—	—	—	66	88	14	0	—	10	18	13	18	14	14	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	29	94	45	0	293	10	18	7	15	18	7	40

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1918—July 14th to July 20th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Temperature of the Air. At any "D.-V." Station. Lowest.	Means of. Daily Max.	Means of. Daily Min.	Means of. Daily Mean.	Means of. Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°.	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°.	Accumulated Number of Day-Degrees. Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	71	43	89·6	83·4	86·3	+ 0·5	97	+ 6	0	0	6	+ 1	1·55	39	+ 16	4·9	+0·9	29	1007
Eastern.																			
1. SCOTLAND, EAST ...	74	39	91·7	83·4	87·3	+ 0·6	110	+ 6	0	0	7	+ 3	2·30	58	+ 40	6·1	+1·1	36	1006
2. ENGLAND, N.E.	76	42	94·1	85·4	89·5	+ 1·6	138	+ 21	0	0	6	+ 3	1·72	44	+ 29	6·0	+0·3	37	1009
3. ENGLAND, EAST ...	81	42	94·7	85·9	90·0	+ 0·9	144	+ 12	0	0	6	+ 3	1·79	46	+ 31	5·1	−1·4	32	1011
4. MIDLAND COUNTIES ...	76	43	93·9	85·8	89·8	+ 0·7	136	+ 9	0	0	6	+ 3	1·44	36	+ 25	3·8	−1·8	24	1010
5. ENGLAND, S.E.	77	46	93·2	86·5	89·6	+ 0·2	139	+ 2	0	0	6	+ 3	1·28	33	+ 20	3·4	−3·3	22	1012
Western.																			
6. SCOTLAND, WEST ...	73	43	92·1	85·1	88·3	+ 1·2	123	+ 14	0	0	7	+ 3	1·57	40	+ 20	4·5	−1·0	27	1007
7. ENGLAND, N.W.	75	43	92·8	85·4	88·8	+ 0·8	130	+ 11	0	0	7	+ 3	2·06	52	+ 35	4·5	−1·0	28	1007
8. ENGLAND, S.W.	73	39	91·5	86·1	88·6	0·0	127	0	0	0	7	+ 3	1·38	35	+ 17	3·1	−3·0	19	1009
9. IRELAND, NORTH ...	71	42	91·4	84·3	87·7	+ 0·6	115	+ 7	0	0	6	+ 1	0·74	19	− 1	4·4	0·0	27	1005
10. IRELAND, SOUTH ...	74	45	92·3	84·5	88·2	0·0	121	− 1	0	0	6	+ 2	1·07	27	+ 11	6·1	+1·2	38	1006
11. ENGLISH CHANNEL ...	72	56	92·6	87·4	89·8	+ 0·5	142	+ 6	0	0	7	+ 3	1·73	44	+ 31	4·9	−2·4	31	1011

THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, June 2nd to July 20th, 1918.

0. SCOTLAND, NORTH ...	76	27	87·6	80·9	84·0	− 0·9	481	− 88	0	− 1	33	+ 5	6·18	157	+ 34	4·8	+0·1	27	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	27	89·8	80·7	85·0	− 0·8	564	− 77	0	0	26	+ 1	4·13	105	+ 4	6·3	+0·6	36	1013
2. ENGLAND, N.E.	80	29	91·5	82·1	86·4	− 0·4	696	− 26	0	0	21	0	2·90	74	− 14	6·7	+0·6	40	1015
3. ENGLAND, EAST ...	81	34	92·2	82·4	87·0	− 0·8	742	− 74	0	0	20	− 1	3·60	92	+ 6	7·1	+0·3	44	1016
4. MIDLAND COUNTIES ...	81	35	92·4	81·9	86·8	− 0·8	788	− 68	0	0	23	+ 2	3·10	82	− 8	6·4	+0·3	39	1016
5. ENGLAND, S.E.	82	32	92·4	82·8	87·3	− 0·9	769	− 78	0	0	20	0	3·67	93	+ 13	7·3	+0·1	50	1017
Western.																			
6. SCOTLAND, WEST ...	80	35	90·0	81·8	85·6	− 0·8	624	− 70	0	0	30	+ 4	4·49	114	− 13	6·2	+0·1	38	1016
7. ENGLAND, N.W.	77	36	90·2	82·7	86·2	− 0·9	677	− 73	0	0	26	+ 3	4·42	112	+ 8	6·5	+0·2	39	1016
8. ENGLAND, S.W.	81	32	91·3	82·9	86·8	− 0·7	726	− 63	0	0	20	− 3	3·97	101	− 3	7·9	+1·2	49	1018
9. IRELAND, NORTH ...	80	36	89·7	82·3	85·7	− 0·7	635	− 55	0	0	30	+ 1	3·43	87	− 29	5·7	+0·5	34	1015
10. IRELAND, SOUTH ...	84	36	91·4	82·8	86·8	− 0·5	726	− 45	0	0	27	+ 2	4·14	105	− 45	6·9	+1·2	42	1018
11. ENGLISH CHANNEL ...	77	44	91·4	84·4	87·7	− 0·4	805	− 41	0	0	21	− 1	3·03	78	− 1	9·3	+1·4	58	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 29 Weeks, December 30th, 1917, to July 20th, 1918.

0. SCOTLAND, NORTH ...	76	5	83·1	76·9	79·9	+ 0·1	1003	− 8	514	− 25	127	− 5	25·06	633	− 20	3·4	−0·2	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	83·9	76·3	80·0	0·0	1123	− 32	617	0	107	− 6	14·30	361	− 33	3·9	−0·3	30	1014
2. ENGLAND, N.E.	83	9	84·9	77·8	81·2	+ 0·4	1386	+ 91	394	− 78	96	− 5	11·23	285	− 25	4·3	−0·2	33	1016
3. ENGLAND, EAST ...	81	14	85·6	77·6	81·4	+ 0·1	1493	− 21	411	− 83	89	−10	12·58	321	+ 19	4·8	0·0	37	1017
4. MIDLAND COUNTIES ...	84	12	86·0	77·6	81·7	+ 0·5	1564	+ 47	402	−120	91	− 7	12·09	338	− 35	4·2	−0·1	32	1017
5. ENGLAND, S.E.	83	15	86·0	78·3	82·0	+ 0·1	1611	− 4	353	− 26	88	− 8	13·44	341	+ 12	5·0	+0·1	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	84·7	77·7	81·1	+ 0·2	1316	+ 32	374	− 42	113	− 7	21·32	542	− 42	4·2	−0·1	32	1015
7. ENGLAND, N.W.	84	12	85·1	78·5	81·7	+ 0·4	1457	+ 82	280	−102	99	− 7	15·79	403	− 21	4·5	+0·1	35	1016
8. ENGLAND, S.W.	82	16	85·7	78·7	82·2	+ 0·3	1576	+ 39	256	− 45	92	−14	16·57	423	− 45	5·1	+0·3	40	1017
9. IRELAND, NORTH ...	80	18	85·1	78·4	81·6	+ 0·3	1422	+ 79	277	− 63	117	−13	16·07	408	− 73	4·1	+0·1	32	1014
10. IRELAND, SOUTH ...	84	19	86·2	79·1	82·5	+ 0·4	1674	+ 91	217	− 43	113	− 2	19·52	494	− 12	4·7	+0·3	36	1016
11. ENGLISH CHANNEL ...	81	26	86·1	80·4	83·2	+ 0·1	1795	+ 26	91	− 14	96	−15	12·17	310	− 74	6·1	+0·5	47	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics : July 25th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE

FOR OFFICIAL USE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 30.

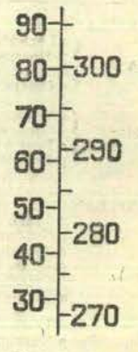
THE THIRTIETH WEEK OF 1918.

SUNDAY, JULY 21ST, TO SATURDAY, JULY 27TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was again low over the British Isles throughout the week, while it was high over the Arctic and also between the Azores and Spain. Except in the north of the Kingdom, the wind was mostly South-Westerly, but veered to North-West at times as the centre of the low pressure system changed its position; the force was generally moderate, increasing to a fresh breeze at times. In all districts the general character of the weather was unsettled with frequent showers of rain. The day temperatures were low and those of the night rather high, the mean for the week showing a small deficit in all except the Scottish districts, where it was normal. The rainfall was, as a rule, less heavy than in the preceding week, but thunderstorms, which were accompanied by hail in some places, were again very frequent. Individual falls of 10mm. and upwards were registered in all parts of the United Kingdom, but amounts of 20mm. and more were not common; some of the largest measurements were 24mm. at Seskin (Carrick-on-Suir) and Beddgelert (Snowdonia) both on the 21st, and at St. James's Park (London) on the 24th, 25mm. at Gordon Castle on the 21st, 26mm. at Waterford and Cahir on the 21st and 24th respectively, 33mm. at Stonyhurst on the 23rd, and 37mm. at Aberdeen on the 21st. Bright sunshine was somewhat scanty in Scotland and England North-East, but fairly abundant in the other English districts, as well as in Ireland; in England South-West the duration exceeded the normal by nearly 2 hrs. per day, whereas in Scotland North it was 1½ hr. per day below it. Solar halos were observed at Aberdeen on the 25th, at Oxford on the 21st and 26th, and at Richmond (Surrey) on the 21st. A lunar halo was seen at Gorleston (Yarmouth) on the night of the 25–26th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	2·5	14	2·5	19	2·3	23	3·0	—	—	6	4·6	19	3·3	16	4·2
North	15	3·3	9	2·9	4	5·0	4	2·7	—	—	21	4·6	2	5·3	10	3·9
West	7	2·7	15	4·6	19	3·8	23	2·6	—	—	28	6·3	20	5·3	24	5·1
East	21	4·5	9	2·3	4	2·7	1	1·1	—	—	0	—	3	1·9	3	2·8
Calm	0	—	2	—	0	—	1	—	—	—	0	—	3	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Heavy	Very heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Very abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 8 weeks from June 2nd, 1918.	Warmth ...	1, 3, 4	0, 4, 4	2, 3, 3	1, 4, 3	1, 4, 3	0, 4, 4	2, 2, 4	2, 2, 4	2, 2, 4	2, 2, 4	1, 3, 4	1, 3, 4
	Rainfall ...	4, 2, 2	2, 3, 3	2, 2, 4	3, 2, 3	3, 1, 4	3, 2, 3	2, 4, 2	2, 4, 2	3, 2, 3	0, 6, 2	4, 2, 2	2, 3, 3
	Sunshine ...	3, 2, 3	3, 4, 1	1, 7, 0	2, 5, 1	2, 4, 2	3, 4, 1	3, 2, 3	3, 2, 3	5, 1, 2	3, 4, 1	4, 3, 1	4, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(18630—19.) Wt. 199—789. 625. 8/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands — a Lerwick	54	59	25th	48	21–25, 27	54·7	48·1	51·2	− 1·4	4	0·46	12	0										
a. Islands — p Deerness	160	58	25th	49	25, 26	55·7	51·0	53·2		5	1·81	46	+ 33	Deerness	1·9	− 2·4	11	•	•	•	•	•	•
a. Islands — a Stornoway	51	65	23rd	49	26th	60·3	51·7	55·7	+ 1·3	5	1·16	30	+ 14	Stornoway	3·5	− 1·1	21	•	•	•	•	•	•
a. Islands — a Castlebay, Barra Isd.	37	65	26th	49	22nd	59·1	52·7	55·7	—	4	0·63	16	—	Castlebay	4·9	—	30						
b. Mainland — a Wick	81	57	24, 25	49	25th	55·4	51·6	53·4	− 0·8	5	2·13	54	+ 41										
b. Mainland — p Glencarron	500	65	26th	48	25, 27	60·6	50·4	55·1	+ 0·7	4	1·50	38	+ 10										
b. Mainland — a Fort Augustus	68	63	23, 25, 27	49	26th	61·0	51·0	55·7	− 0·5	4	1·26	32	+ 17										
b. Mainland — p Fort William	171	68	27th	45	22nd	64·3	51·6	57·5	+ 0·8	6	1·66	42	+ 17	Fort Augustus	2·1	− 1·4	13	•	•	•	•	•	•
1. SCOTLAND, E.																							
a Nairn	82	67	23rd	44	25, 26	62·3	50·1	55·8	0·0	6	2·09	53	+ 39	Nairn	3·1	—	19	•	•	•	•	•	•
p Gordon Castle	101	68	23rd	46	26th	62·9	51·0	56·5	+ 0·6	6	1·97	50	+ 32	Gordon Castle	2·5	—	15	•	•	•	•	•	•
a Aberdeen	46	66	24th	47	25, 26	60·6	51·6	55·8	0·0	5	2·63	67	+ 52	Aberdeen	3·2	− 1·4	19	0	40	•	•	54·5	+1·0
a Balmoral	930	64	22, 23	37	26th	60·7	47·1	53·4	− 0·2	7	1·66	42	+ 26	Balmoral	•	•	•	0	37	•	•	•	•
p Crieff	432	68	23rd	45	22nd	63·6	49·7	56·2	− 0·9	6	1·41	36	+ 17	Crathes	3·5	− 0·9	21	0	38	59·3	+1·0	55·9	+1·1
a Dundee	244	67	25th	45	25th	64·4	50·4	56·9	− 0·3	4	1·75	44	+ 27	Dundee	5·5	—	34	0	37	59·3	•	•	•
a Leith	30	69	25th	49	22nd	64·4	52·7	58·1	+ 0·3	4	0·71	18	+ 3	Leith	•	•	•	0	42	•	•	•	•
p Edinburgh	441	64	23–25	48	22nd	62·3	51·4	56·5	+ 0·4	5	0·36	9	− 6	Edinburgh	5·5	+ 0·8	34	0	43	•	•	•	•
a West Linton	769	66	23rd	42	22nd	62·6	49·3	55·5	+ 1·7	5	0·35	9	—	West Linton	3·7	—	23	0	37	•	•	•	•
p Marchmont	498	68	22nd	46	22, 24	63·3	49·4	55·9	+ 0·1	5	0·98	25	+ 8	Marchmont	5·2	+ 0·5	32	•	•	•	•	•	•
6. a. SCOTLAND, W																							
a Ford (Argyll)	149	67	26, 27	43	27th	63·3	50·2	56·3	—	5	1·59	40	—	Ford (Argyll)	•	•	•	0	35	59·7	•	55·8	•
p Glasgow Observatory	180	67	23, 26	49	22nd	64·3	52·1	57·8	+ 0·4	4	1·32	34	+ 16	Glasgow	4·2	0·0	26	0	38	•	•	•	•
p Rothesay	200	67	27th	48	22nd	62·6	50·7	56·2	− 1·0	6	1·10	28	+ 5	Rothesay	4·6	—	28	0	43	58·9	•	56·0	+0·6
a Kilmarnock	90	69	26th	47	22, 27	66·6	51·3	58·4	+ 1·9	3	0·65	17	− 2	Kilmarnock	4·6	—	28	•	•	59·9	•	55·6	•
a Colmonell	170	66	26th	47	21, 23	64·1	50·4	56·8	+ 0·7	5	1·03	26	+ 8	Colmonell	•	•	•	0	44	•	•	•	•
p Cally, Gatehouse	120	67	21st	46	24th	63·6	50·7	56·7	+ 0·3	5	1·40	36	+ 15	Dumfries	3·4	—	21	0	43	60·0	−0·8	58·4	−0·5
p Dumfries	160	65	21st	45	22nd	63·6	50·7	56·7	− 1·6	5	0·99	25	+ 7	Eskdalemuir	3·7	—	23	0	43	•	•	•	•
a Eskdalemuir	794	63	21st	38	22nd	60·9	46·4	53·2	—	5	1·18	30	—										
b. I. OF MAN p Douglas	277	64	21, 23, 27	50	25th	62·3	52·7	57·2	+ 0·1	5	0·70	18	0	Douglas	6·2	+ 0·4	39	0	47	•	•	•	•
2. ENGLAND, N.E																							
a North — a Alnwick Castle	210	67	22–25	47	26th	65·6	51·1	57·9	+ 0·8	6	0·71	18	− 2										
a North — a Tynemouth	71	66	25th	52	22, 26, 27	63·1	52·9	57·6	+ 0·4	6	1·43	36	+ 18	Cockle Park	5·3	+ 0·4	33	0	41	55·8	−2·1	54·9	−0·4
a North — p Durham	336	69	23rd	48	26th	64·9	51·0	57·5	− 0·4	6	0·67	17	− 2	Durham	4·7	0·0	29	0	39	•	•	•	•
a North — p Rounton	249	68	23rd	49	24, 26, 27	64·6	51·3	57·5	+ 0·2	7	0·83	21	0	Rounton	•	•	•	0	43	59·6	•	•	•
a North — a West Witton	605	66	23rd	50	27th	63·6	52·3	57·6	—	7	0·50	13	—	West Witton	•	•	•	0	44	59·6	•	54·9	•
a North — p Scarborough	100	66	21, 23, 25	51	22nd	64·3	53·6	58·6	− 0·1	6	2·44	62	+ 44	Scarborough†	5·5	+ 0·4	34	•	•	•	•	50·7	•
a North — p York	56	72	21st	50	27th	66·3	53·3	59·4	− 0·3	5	0·43	11	− 7	York	3·9	− 0·9	24	•	•	60·3	+0·7	56·8	+0·1
b. South — a Spurn Head	26	67	24th	52	26th	63·6	54·3	58·6	− 0·7	4	1·02	26	+ 12	Spurn Head	2·9	—	18	•	•	•	•	•	•
b. South — a Lincoln	58	70	21, 24, 25	51	22, 25–27	66·4	52·1	58·8	− 1·5	6	0·88	22	+ 5	Lincoln	•	•	•	0	46	61·6	+0·7	57·7	+0·6
b. South — a Fulbeck	180	69	21, 24	50	26th	66·3	52·7	59·0	− 1·1	6	1·11	28	+ 10	Rauceby	5·1	− 0·6	32	•	•	62·1	−0·5	57·8	+0·2
														Skegness	6·5	+ 0·4	41	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	70	22, 24	51	26th	67·4	53·1	59·8	0·0	6	0·76	19	+ 3	Cromer	6·0	+ 0·1	38	•	•	•	•	•	•
a Little Massingham	280	71	24th	48	22, 25	67·3	50·4	58·3	− 1·8	5	0·71	18	− 1	Lit. Massingham	5·7	+ 0·1	36	•	•	•	•	•	•
a Yarmouth	13	70	21, 24	52	22nd	67·2	55·0	60·7	+ 0·5	7	0·95	24	+ 8	Yarmouth	6·0	—	38	0	?51	63·4	−0·5	59·3	−1·4
a Norwich	93	71	24th	52	22, 26	66·9	54·4	60·2	− 0·5	7	1·18	30	+ 13	Norwich	5·6	—	36	0	48	62·9	•	•	•
a Geldeston	37	70	21, 24, 25	50	22nd	69·6	53·0	60·7	+ 0·4	7	1·24	31	+ 16	Geldeston	5·4	− 0·5	34	•	•	•	•	•	•
p Cambridge	41	71	24th	46	27th	68·4	52·9	60·1	− 1·0	5	0·58	15	0	Cambridge	6·1	+ 0·3	39	0	45	62·5	−0·4	58·6	−0·9
a Clacton-on-Sea	54	69	21, 24	51	27th	66·4	56·0	60·8	− 0·1	6	1·35	34	+ 21	Clacton	4·8	− 1·6	31	0	49	61·9	+0·7	59·4	−0·2
a Rothamsted	424	68	23rd	51	22, 25	64·9	53·0	58·5	− 1·5	6	1·29	33	+ 17	Rothamsted	5·6	− 0·3	36	0	41	60·1	•	•	•
p Tottenham	51	71	21st	54	27th	67·6	56·1	61·5	—	6	1·58	40	—	Tottenham	5·6	—	36	0	51	•	•	60·2	−0·6
4. MIDLAND COUNTIES.																							
a North — a Harrogate	479	65	23, 25	49	27th	62·7	51·4	56·7	− 1·6	5	1·20	31	+ 10	Harrogate	4·3	− 0·8	27	0	46	57·7	+0·2	56·0	+0·2
a North — p Sheffield	429	67	25th	49	26th	63·7	53·1	58·0	—	5	0·57	14	—	Sheffield	4·6	− 0·5	29	0	44	59·4	+0·3	55·1	+0·2
a North — p Buxton	987	63	22, 24, 25	48	27th	61·9	50·9	56·0	—	6	1·05	27	− 5	Buxton	5·1	—	32	0	45	58·7	+0·4	55·3	+0·8
b. East — a Bawtry	65	69	25th	50	22, 23, 27	65·9	52·3	58·6	− 1·4	6	0·49	12	− 6	Worksop	4·7	+ 0·1	29	0	37	59·9	•	56·9	•
b. East — a Nottingham	82	70	24th	50	22nd	66·1	52·9	59·0	− 1·2	5	0·60	15	− 4	Nottingham	5·6	+ 0·5	35	0	46	61·0	+0·1	58·8	+0·8
b. East — p Birmingham, Edgbsn.	535	67	21, 23, 24	50	27th	64·9	52·6	58·3	− 1·7	6	0·49	12	− 7	Birmingham	5·0	+ 0·6	32	0	46	55·8	−0·5	53·0	+0·1
b. East — a Raunds	203	71	21, 23	51	22, 25	68·4	53·1	60·2	− 0·9	6	0·78	20	0	Raunds	6·4	—	41	0	42	63·1	•	56·7	•
b. East — p Oxford	208	68	23, 24	52	27th	65·1	54·0	59·2	− 2·1	5	1·12	28	+ 10	Oxford	5·7	0·0	37	0	48	•	•	•	•
c. West — a Cheadle (N. Staffs.)	646	65	23, 26, 27	47	27th	62·9	51·6	56·9	− 1·4	6	0·66	17	− 7	Cheadle	•	•	•	0	46	•	•	•	•
c. West — p Shrewsbury	191	70	25th	48	27th	66·7	52·1	58·9	− 1·0	7	1·15	29	+ 11	Shrewsbury	•	•	•	0	43	•	•	•	•
c. West — a Hereford	291	70	22nd	47	27th	67·7	51·9	59·3	− 1·0	6	0·95	24	+ 6	Malvern	6·3	—	40	0	47	61·2	•	59·5	•
c. West — a Clifton	229	69	27th	52	26th	66·1	55·0	60·2	− 2·0	7	1·94	49	+ 21	Clifton	7·6	—	49	0	51	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	68	24th	49	27th	65·3	52·3	58·4	− 0·6	6	1·37	35	+ 18	Worthing	8·4	+ 1·5	55	0	48	63·5	−0·6	59·3	−1·1
p Salisbury (Wilton)	180	71	23rd	49	27th	66·2	53·0	59·1	− 2·0	6	2·60	66	+ 49	Marlborough	—	—	—	0	44	60·3	•	56·8	•
a Wisley, Surrey	150	71	23, 24	50	27th	67·7	53·7	60·2	− 0·9	7	2·36	60	+ 47	Salisbury	•	•	•	0	46	63·9	•	•	•
a Tunbridge Wells	354	70	23rd	49	27th	66·1	53·7	59·5	− 1·4	6	1·91	49	+ 34	Wisley	6·0	− 0·2	38	0	41	62·0	−0·7	58·0	−1·3
a Margate	51	70	24th	54	22, 24, 27	67·3	55·4	60·9	− 1·1	6	1·69	43	+ 30	Tunbridge Wells	6·1	− 0·2	39	0	45	61·5	−2·3	58·1	•
a Dungeness	21	66	23rd	50	27th	64·9	56·3	60·3	− 0·7	4	1·02	26	+ 13	Margate	6·0	0·0	38	0	50	65·2	+3·0	62·1	+3·1
p St. Leonards	178	68	23rd	50	27th	65·4	55·6	60·2	− 1·1	5	1·33	34	+ 19	Folkestone	6·5	—	42	•	•	•	•	55·4	•
p Southampton	64	72	23rd	51	27th	66·7	55·3	60·6	− 2·0	6	2·13	54	+ 38	St. Leonards	6·8	− 0·1	44	0	49	63·9	•	60·0	•
a Ventnor	59	69	23rd	52	27th	65·4	56·4	60·6	− 1·3	5	1·06	27	+ 13	Southampton	7·3	+ 0·8	47	0	47	•	•	•	•
														Ventnor	7·5	+ 0·8	49	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	71	23rd	53	27th	66·8	55·4	60·7	− 1·3	7	2·21	56	+ 41	Richmond	5·5	− 0·5	35	0	48	61·7	−0·5	57·2	−0·9
a Westminster	27	71	21st	53	27th	67·2	55·8	61·1	− 1·6	7	2·56	65	+ 50	Westminster	5·4	0·0	35	0	50	•	•	•	•
ag Greenwich	149	74	21, 24	53	25, 27	70·0	54·4	61·7	− 1·6	7	2·36	60	+ 47	Greenwich	5·8	− 1·8	37	0	45	•	•	•	•
a Hampstead	450	69	21st	51	27th	65·6	52·9	58·8	—	7	1·68	43	—	Hampstead	5·0	—	32	•	•	•	•	•	•
ag Camden Square	110	76	21st	52	27th	69·4	54·7	61·5	− 2·0	7	2·01	51	+ 35	Camden Square	4·4	− 0·8	28	0	49	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	66	23rd	49	27th	62·4	51·4	56·5	− 1·3	5	0·49	12	− 13	Aspatria	4·1	− 1·0	25	0	46	58·3	−1·7	55·0	−0·2
p Newton Rigg	559	67	27th	43	23rd	63·4	48·7	55·5	− 2·1	5	0·72	18	− 3	Newton Rigg	4·2	− 0·9	26	0	40	59·1	−0·9	55·0	−0·6
p Stonyhurst	375	66	27th	49	22, 27	63·3	51·1	56·8	− 1·4	6	1·87	48	+ 19	Stonyhurst	4·2	− 0·8	26	0	41	•	•	•	•
p Blackpool	66	66	27th	49	27th	64·1	54·4	58·9	− 0·1	6	0·95	24	+ 3	Blackpool	6·1	+ 0·1	38	0	37	61·4	•	56·0	•
a Southport	37	66	25th	51	26, 27	63·4	54·6	58·7	− 0·4	6	1·33	31	+ 13	Southport	5·9	+ 0·1	37	0	44	63·6	+0·2	61·4	+0·8
														Hoylake	5·9	+ 0·3	37	•	•	•	•	•	•
a Liverpool (Bidston)	188	65	21, 25	51	26th	63·3	53·9	58·3	− 1·4	6	1·22	31	+ 12	Liverpool	6·0	—	38	0	47	•	•	•	•
a Manchester (Whit. Pk.)	125	68	27th	51	27th	64·9	54·6	59·4	− 0·9	7	1·37	35	+ 13	Manchester (City)	4·5	+ 0·4	28	0	45	61·6	+0·6	55·7	+1·1
			23, 25	49		5·6	3·0	8·9	1·4	6	0·78	20	−2	Whitworth Park	4·2	−0·2	26	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	65	23rd	53	27th	63·1	55·3	58·9	− 1·0	6	0·64	16	− 1	Llanduduo	5·2	− 0·5	33	•	•	•	•	•	•
a Holyhead	15	65	23, 27	52	25th	62·9	54·0	58·1	− 0·4	5	1·02	26	+ 7	Holyhead	7·1	—	45	0	49	•	•	•	•
a Beddgelert	309	65	27th	51	26th	61·7	53·9	57·5	—	6	2·49	63	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	‖Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	65	23rd	48	27th	63·3	55·0	58·9	—	6	0·71	18	—									
a Rhayader	767	65	27th	50	27th	61·9	53·0	57·1	—	7	1·20	31	—									
a St. Ann's Head	149	62	23, 27	53	27th	60·6	55·0	57·6	- 1·1	4	0·92	23	+ 4									
p Cardiff	202	68	27th	50	27th	64·3	53·4	58·5	- 1·7	6	2·29	58	+ 34									
b. ENGLAND, S.W.																						
a Bath	66	68	21, 25, 27	52	27th	66·7	55·0	60·4	- 0·5	6	1·63	41	+ 23									
a Shaftesbury	722	73	22nd	45	25th	66·7	51·3	58·5	- 1·2	7	2·34	60	+ 41									
a Arlington	613	65	23, 27	50	28th	62·6	53·3	57·6	- 0·9	6	2·40	61	+ 31									
a Hartland Quay ..	100	63	23rd	55	26th	61·4	57·4	59·3	—	6	1·89	48	—									
a Newquay	190	65	21, 24	54	25, 26	63·1	55·7	59·1	- 1·0	6	1·29	33	+ 16	Newquay ..	6·1	0·0	40	•	•	63·1	•	58 9	•
a Cullompton	202	70	21, 24, 27	44	25th	67·3	53·1	59·7	- 0·7	6	1·58	40	+ 20	Cullompton ..	7·3	+ 1·9	47	0	44	61·8	•	•	•
a Portland Bill	19	66	27th	56	27th	62·0	57·3	59·5	- 0·9	4	0·67	17	+ 4	Weymouth ..	8·0	—	52	•	•	•	•	•	•
p Plymouth	116	67	27th	55	21, 27	64·4	56·1	60·0	- 0·9	6	1·57	40	+ 20	Plymouth ..	7·3	+ 1·2	47	•	•	62·7	- 1·4	•	•
a Falmouth	167	66	21, 24	53	21, 25, 26	64·7	54·7	59·4	- 0·9	5	0·92	23	+ 2	Falmouth ..	8·4	+ 1·9	55	0	48	63·9	•	61·2	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	66	22nd	51	24, 25	59·7	52·3	55·7	- 0·7	5	0·72	18	0	Malin Head ..	5·4	—	33	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	63	21st	50	25, 26	60·4	52·0	55·8	- 1·6	4	0·75	19	- 3	Markree Castle	4·4	+ 0·2	28	0	37	61·2	+0·8	58·7	+0·3
West .. *p* Markree Castle ..	122	66	21st	40	21st	63·1	49·7	55·9	- 0·8	6	1·09	28	+ 6									
b. East .. *p* Armagh	196	69	22nd	47	27th	65·3	50·6	57·4	0·0	5	1·70	43	+ 24	Armagh	5·4	+ 1·0	34	0	39	59·8	- 1·4	56·2	- 1·2
b. East .. *a* Donaghadee ..	101	68	21st	50	24th	63·4	52·7	57·7	+ 0·6	6	0·98	25	+ 7									
10. IRELAND, S.																						
p Dublin, City	47	72	22nd	50	27th	65·4	53·4	59·0	- 1·0	5	0·96	24	+ 5	Trinity Coll. ..	•	•	•	0	43	{61·0	+0·2	57·2	- 0·5
a Birr Castle	175	73	22nd	41	27th	65·7	49·9	57·3	- 1·0	6	1·22	31	+ 9	Phœnix Park ..	6·4	+ 1·2	40	0	40	•	•	•	•
a Kilkenny	212	69	21, 22, 27	45	21st	66·9	50·9	58·3	- 0 5	5	0·93	24	+ 3	Dublin City ..	•	•	•	0	47	•	•	•	•
a Waterford	20	70	27th	51	25, 27	66·9	53·9	60·0	+ 0·4	5	1·74	44	+ 21	Birr Castle ..	6·4	+ 2·0	40	0	40	•	•	•	•
p Seskin, Carrick-on-Suir	541	69	22nd	48	25th	66·1	50·1	57·5	—	4	1·38	35	—	Seskin	8·4	—	54	0	42	•	•	•	•
a Cahir	199	71	27th	47	21, 25	67·1	50·4	58·2	- 0·7	6	1·95	60											
a Foynes	50	67	21, 22	50	21st	65·0	52·6	58·4	- 0·4	5	1·56	40	+ 17									
a Cahirciveen (Val. Obs.)	30	64	27th	53	21, 25, 26	62·7	54·3	58·2	- 0·6	4	1·58	40	+ 12	Cahirciveen ..	7·1	+ 2·2	45	0	48	•	•	•	•
a Killarney	174	70	21st	53	21, 25	67·2	53·9	60·1	+ 1·0	6	0·93	24	- 1	Ballinacurra ..	8·6	+ 3·4	55	•	•	•	•	•	•
a Roche's Point	32	69	27th	44	27th	64·4	52·7	58·1	- 0·9	7	1·38	35	+ 13									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	65	21, 22, 27	55	21, 24-27	64·1	55·4	59·5	- 1·0	6	1·26	33	+ 17	Scilly	7·7	+ 1·3	50	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	67	22nd	55	27th	65·3	57·6	61·2	- 1·1	3	0·24	6	- 8	St. Heliers ..	8·3	+ 1·2	54	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	21, 25, 27	55	26, 27	64·9	56·4	60·4	- 1·5	4	0·50	13	- 1	Guernsey† ..	9·3	+ 2·0	61	0	51	63·0	- 0·6	61·2	+0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 27th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	64	98	6	0	113	10	24	1	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	120	48	0	337	5	27	17	14	27	18	5
Aberdeen	153	105	52	—	—	—	—	16	124	28	0	315	7	27	17	13	27	23	55
Edinburgh	485	39	31	—	—	—	—	55	91	22	0	293	10	21	15	15	21	14	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	51	93	24	0	280	11	21	13	17	21	14	35
Paisley	188	81	15	—	—	—	—	12	122	34	0	214	7	25	15	15	25	14	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	5	94	69	0	293	7	21	15	15	21	14	50
South Shields	72	61	12	—	—	21	1	26	92	49	0	293	11	21	13	17	21	13	10
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	45	121	2	0	270	10	21	8	—	—	—	—
Gorleston	52	42	‡	—	—	27	8	105	53	2	0	360	13	27	9	19	27	8	30
Shoeburyness	103	90	‡	—	—	25	1	125	41	1	0	225	11	25	14	19	26	13	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	54	101	13	0	180	8	22	22	15	24	12	10
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	60	108	0	0	—	7	22	13	15	26	12	0
Brighton	281	53	6	—	—	—	—	131	35	2	0	—	10	21	15	17	26	11	45
S. Farnboro'	443	152	‡	—	—	21	5	114	35	14	0	247	12	21	15	21	27	14	0
Stonehenge	—	—	—	—	—	21 to 23	13	123	31	1	0	270	12	23	18	17	22	14	25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	6	131	23	8	191	6	22	11	14	24	15	15
S. Kensington	123	92	30	—	—	—	—	4	140	14	10	270	6	21	8	12	21	8	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	13	67	88	0	281	9	21	12	13	21	12	40
Fleetwood (Cup Anr.) ..	109	44	—	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	21, 23, 24	25	101	42	0	0	270	14	21	9	17	21	8	45
Holyhead	60	40	‡	—	—	25	2	127	39	0	0	247 214	11	25	13	16	22	8	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	21 to 26	56	81	29	2	0	203	17	22	14	21	22	13	55
Plymouth	185	88	2	—	—	22	4	60	91	13	0	—	13	22	16	18	22	12	35
Lyme Regis	556	61	‡	—	—	—	—	80	78	10	0	—	10	25	15	14	23	16	20
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	23	2	99	53	14	0	259	11	23	15, 16	—	—	—	—
Quilty	100	40	‡	—	—	25, 26	37	67	36	4	24	—	14	25	21	20	26	8	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	90	73	5	0	255	11	25	14	16	25	9	20
Weaver Pt	160	30	‡	—	—	21, 22, 25, 26	13	94	60	1	0	—	12	26	17	19	25	17	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	26	16	101	41	10	0	315	13	26	16	18	26	15	55

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
* Above tops of trees
† Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTIETH WEEK of 1918—July 21st to July 27th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	45	88·2	83·4	85·7	-0·0	90	0	0	0	5	+ 1	1·36	35	+ 18	2·5	−1·6	15	1006
Eastern.																			
1. SCOTLAND, EAST ...	69	37	90·0	83·1	86·3	0·0	97	− 2	0	0	6	+ 2	1·48	38	+ 21	4·3	−0·2	26	1005
2. ENGLAND, N.E.	72	47	91·3	84·4	87·6	− 0·1	114	− 1	0	0	6	+ 2	1·06	27	+ 9	5·2	0·0	33	1006
3. ENGLAND, EAST ...	71	46	92·6	85·1	88·6	− 0·2	127	− 3	0	0	6	+ 2	1·07	27	+ 12	5·7	−0·2	36	1009
4. MIDLAND COUNTIES ...	71	47	91·7	84·5	87·8	− 0·6	117	− 7	0	0	6	+ 2	0·93	24	+ 5	5·4	+0·1	34	1008
5. ENGLAND, S.E.	72	49	92·0	85·6	88·6	− 0·7	127	− 8	0	0	6	+ 3	1·77	45	+ 30	6·7	+0·3	43	1010
Western.																			
6. SCOTLAND, WEST ...	69	43	90·7	83·6	86·9	0·0	105	− 1	0	0	5	+ 1	1·10	28	+ 8	5·2	+0·1	32	1006
7. ENGLAND, N.W.	68	43	90·4	84·7	87·3	− 0·6	111	− 6	0	0	6	+ 2	1·05	27	+ 5	4·9	+0·3	31	1007
8. ENGLAND, S.W.	73	44	90·8	85·3	87·9	− 0·6	118	− 7	0	0	6	+ 2	1·55	39	+ 18	7·5	+1·8	48	1010
9. IRELAND, NORTH ...	73	40	90·2	83·7	86·7	− 0·2	103	− 3	0	0	5	0	1·08	27	+ 7	4·9	+0·5	31	1005
10. IRELAND, SOUTH ...	73	41	91·7	84·3	87·8	− 0·2	116	− 3	0	0	5	+ 1	1·36	35	+ 12	7·1	+2·2	45	1008
11. ENGLISH CHANNEL ...	67	55	91·2	86·6	88·8	− 0·5	129	− 7	0	0	4	0	0·67	17	+ 2	8·4	+1·5	55	1013

THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, June 2nd to July 27th, 1918.

0. SCOTLAND, NORTH ...	76	27	87·7	81·2	84·2	− 0·8	571	− 88	0	− 1	38	+ 6	7·54	192	+ 52	4·5	−0·2	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	89·8	81·0	85·1	− 0·8	661	− 79	0	0	32	+ 3	5·61	143	+ 25	6·0	+0·5	35	1012
2. ENGLAND, N.E.	80	35	91·5	82·4	86·6	− 0·3	810	− 27	0	0	27	+ 2	3·96	101	− 5	6·5	+0·5	39	1014
3. ENGLAND, EAST ...	81	34	92·3	82·7	87·2	− 0·7	769	− 77	0	0	26	+ 1	4·67	119	+ 18	7·0	+0·3	43	1015
4. MIDLAND COUNTIES ...	81	35	92·3	82·3	87·0	− 0·7	848	− 71	0	0	29	+ 4	4·26	109	+ 2	6·3	+0·3	38	1015
5. ENGLAND, S.E.	82	32	92·4	83·1	87·4	− 0·9	896	− 86	0	0	26	+ 3	5·44	138	+ 43	7·2	+0·1	45	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·1	82·0	85·8	− 0·6	729	− 71	0	0	35	+ 5	5·59	142	− 5	6·3	+0·3	37	1013
7. ENGLAND, N.W.	77	36	90·2	83·0	86·3	− 0·9	788	− 79	0	0	32	+ 5	5·47	139	+ 13	6·3	+0·1	38	1015
8. ENGLAND, S.W.	81	32	91·3	83·2	87·0	− 0·6	844	− 70	0	0	26	− 1	5·52	140	+ 15	7·9	+1·3	49	1017
9. IRELAND, NORTH ...	80	36	89·8	82·5	85·9	− 0·5	738	− 58	0	0	35	+ 1	4·51	114	− 22	5·6	+0·5	33	1014
10. IRELAND, SOUTH ...	84	36	91·4	83·0	86·9	− 0 5	842	− 48	0	0	32	+ 3	5·50	140	+ 4	6·9	+1·3	42	1017
11. ENGLISH CHANNEL ...	77	44	91·4	84·7	87·8	− 0·5	934	− 48	0	0	25	− 1	3·70	95	+ 1	9·2	+1·4	58	1018

THE YEAR 1918.—Aggregates, &c., for the Period of 30 Weeks, December 30th, 1917, to July 27th, 1918.

0. SCOTLAND, NORTH ...	76	5	83·3	77·1	80·1	+ 0·1	1093	− 8	514	− 25	132	− 4	26·42	668	− 2	3·4	−0·2	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·1	76·6	80·2	0·0	1220	− 34	617	0	113	− 4	15·78	399	− 12	4·0	−0·2	30	1014
2. ENGLAND, N.E.	83	9	85·1	78·0	81·4	+ 0·4	1500	+ 90	394	− 78	102	− 3	12·29	312	− 16	4·3	−0·2	33	1016
3. ENGLAND, EAST ...	81	14	85·8	77·9	81·7	+ 0·1	1620	− 24	411	− 83	95	− 8	13·65	348	+ 31	4·9	+0·1	37	1017
4. MIDLAND COUNTIES ...	84	12	86·2	77·9	81·9	+ 0·4	1684	+ 43	402	−120	97	− 5	13·97	355	0	4·2	−0·1	32	1016
5. ENGLAND, S.E.	83	15	86·2	78·5	82·2	+ 0·1	1738	− 12	353	− 26	94	− 5	15·21	386	+ 42	5·0	0·0	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	84·9	77·9	81·3	+ 0·2	1421	+ 31	374	− 42	118	− 6	22·42	570	− 34	4·2	−0·1	32	1015
7. ENGLAND, N.W.	84	12	85·3	78·7	81·9	+ 0·4	1568	+ 78	280	−102	105	− 5	16·84	429	− 16	4·5	+0·1	35	1016
8. ENGLAND, S.W.	82	16	85·9	79·0	82·4	+ 0·3	1694	+ 32	256	− 45	98	−12	18·12	462	− 27	5·2	+0·4	40	1017
9. IRELAND, NORTH ...	80	18	85·2	78 6	81·3	+ 0·3	1525	+ 76	277	− 63	122	−13	17·15	435	− 66	4·1	+0·1	32	1014
10. IRELAND, SOUTH ...	84	19	86·4	79·2	82·7	+ 0·4	1790	+ 88	217	− 43	118	− 1	20·88	529	− 0	4·8	+0·3	37	1016
11. ENGLISH CHANNEL ...	81	26	86·3	80·7	83·4	+ 0·1	1924	+ 19	91	− 14	100	−15	12·84	327	− 72	6·2	+0·5	48	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : LIEUT.-COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics : August 1st, 1918.

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AUTHORITY FOR ISSUE
ISSUED ON 9/8/18

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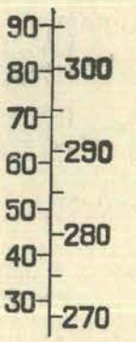
I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the United Kingdom during the week was in marked contrast to that of the three preceding weeks; over the northern districts it was fine and warm throughout, and in many places rainless, but over the southern and midland districts, although the first five days were fine, Friday and Saturday were very showery, with thunderstorms in many places. An anticyclone dominated the weather for the first half, and depressions, over the southern regions, the latter part of the time. In the former period the winds were very light and variable; in the latter they were generally Easterly and Southerly, but they seldom increased to a fresh breeze. The mean temperature nowhere differed much from the normal, being 1 a. below it in the eastern districts and 1 a. above it elsewhere; the highest of the maxima, about 300 a., occurred in the middle of the week at Southport, Hawarden Bridge, Aberystwyth, Clifton, London and Jersey, while low minima, about 277 a., were registered at some places in Central Scotland, Central Wales, and the North-East of England. The rain over the southern districts totalled more than the normal for the week; measurements of 25mm. and upwards on one day were registered at Newquay, Foynes, Geldeston, Ballinacurra, Cullompton and Arlington, 38mm. at the last-named station being the largest individual fall. Morning mists were observed in nearly all districts on different days.

Solar halos were observed at Oxford, Southport, Abersoch (Carnarvonshire) and Tenbury (Worcestershire) on the 28th, at the former station the phenomenon was accompanied by a Sun pillar. At Shoeburyness at 17h on August 3rd the observer noted "unusual visibility, objects distinguishable at 22 miles."



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	5	1·0	2	0·7	12	2·0	8	1·3	12	2·6	19	3·1	13	2·7	14	5·3
North	11	2·4	14	1·9	11	2·1	4	1·6	11	1·9	8	2·0	6	2·5	11	4·3
West	4	4·0	4	2·3	5	1·8	2	0·9	9	1·3	9	2·3	0	—	10	2·1
East	19	2·9	17	2·3	20	3·8	10	4·2	15	3·8	15	2·4	18	2·6	14	2·8
Calm	5	—	7	—	6	—	15	—	4	—	1	—	9	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Moderate	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Very light	Light	Heavy	Moderate	Moderate	Very light	Light	Heavy	Light	Moderate	Heavy
	Sunshine ...	Very Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 9 weeks from June 2nd, 1918.	Warmth ...	1, 4, 4	0, 4, 5	2, 4, 3	1, 5, 3	2, 4, 3	0, 5, 4	3, 2, 4	3, 2, 4	2, 3, 4	3, 2, 4	2, 3, 4	2, 3, 4
	Rainfall ...	4, 2, 3	2, 3, 4	2, 2, 5	4, 2, 3	3, 2, 4	3, 3, 3	2, 4, 3	2, 4, 3	4, 2, 3	0, 6, 3	4, 3, 2	3, 3, 3
	Sunshine ...	4, 2, 3	3, 5, 1	1, 8, 0	2, 6, 1	3, 4, 2	3, 5, 1	4, 2, 3	4, 2, 3	6, 1, 2	3, 5, 1	4, 4, 1	5, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(18713—19.) Wt. 199—789. 625. 8/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		...	mm.	mm.
a, Islands .. a Lerwick ..	54	57	3rd	46	29, 30	54·0	48·0	50·8	− 2·4	2	0·02	1	− 15
p Deerness ..	160	58	29, 1, 3	47	29th	56·7	49·1	52·6	—	1	0·04	1	− 15
a Stornoway ..	31	70	30th	45	29th	64·9	51·0	57·5	+ 2·5	0	0·00	0	− 21
a Castlebay, Barra Isd.	37	72	1st	52	29th	64·6	55·7	59·8	—	1	0·01	0·3	—
b, Mainland. a Wick ..	81	57	29, 3	47	29th	55·1	50·1	52·4	− 2·5	1	0·04	1	− 15
p Glencarron ..	500	77	30	46	29	68·9	49·1	58·3	+0·3	0	0·00	—	−37
a Fort Augustus ..	68	74	29th	46	1st	64·1	51·4	57·3	+ 0·5	0	0·00	0	− 19
p Fort William ..	171	77	30th	45	29th	72·9	50·4	60·9	+ 3·7	0	0·00	0	− 33
1. SCOTLAND, E.													
a Nairn ..	82	68	3rd	41	2nd	61·6	47·1	53·9	− 3·1	0	0·00	0·1	− 13
p Gordon Castle ..	101	72	31st	43	29th	66·1	47·9	56·4	− 0·7	0	0·00	0	− 16
a Aberdeen ..	46	63	29, 3	45	30th	59·7	49·1	54·0	− 2·9	0	0·00	0	− 14
a Balmoral ..	930	72	29, 30	39	28th	66·9	45·0	55·2	+ 0·7	0	0·00	0	− 15
p Crieff ..	432	74	29th	46	1st	66·3	48·4	56·7	− 1·4	2	0·03	1	− 18
a Dundee ..	244	69	29th	42	2nd	62·6	46·7	54·1	− 4·1	0	0·00	0	− 16
a Leith ..	30	71	29th	50	28th	61·6	52·0	56·5	− 2·5	0	0·00	0·1	− 14
p Edinburgh ..	441	71	29th	49	28th	61·3	50·3	55·4	− 1·9	1	0·10	3	− 11
a West Linton ..	769	70	30th	38	29th	64·9	45·4	54·5	− 0·3	0	0·00	0	—
p Marchmont ..	498	72	29th	47	29th	62·1	49·4	55·3	− 1·6	2	0·10	3	− 13
6. a, SCOTLAND, W.													
a Ford (Argyll) ..	149	74	31st	43	29th	68·7	49·8	58·6	—	0	0·00	0	—
p Glasgow Observatory	180	71	29, 30	50	28, 29	66·3	51·4	58·3	+ 0·5	0	0·00	0	− 19
p Rothesay ..	200	68	30, 31	49	28, 1	64·6	50·9	57·3	− 0·3	0	0·00	0	− 24
a Kilmarnock ..	90	76	31st	45	28, 29	70·9	50·3	59·9	+ 3·1	0	0·00	0	− 20
a Colmonell ..	170	78	31st	47	31st	70·6	53·0	61·2	+ 4·6	1	0·04	1	− 18
p Cally, Gatehouse	120	78	31st	45	28th	72·3	51·4	61·1	+ 4·3	0	0·00	0	− 22
p Dumfries ..	160	76	31st	46	29th	72·0	50·3	60·4	+ 1·8	0	0·00	0	− 19
a Eskdalemuir ..	794	73	30th	39	28th	65·6	46·3	55·3	—	0	0·00	0	—
b. I. OF MAN p Douglas ..	277	73	31st	52	28, 30, 1	67·0	53·3	59·7	+ 2·1	1	0·02	1	− 18
2. ENGLAND, N.E													
a North .. a Alnwick Castle ..	210	65	29th	41	29th	61·3	49·7	55·1	− 2·8	3	0·04	1	− 14
a Tynemouth ..	71	64	2nd	50	30th	60·6	53·0	56·5	− 1·7	1	0·01	0·2	− 13
p Durham ..	336	74	29th	40	29th	65·0	49·3	56·6	− 2·0	1	0·01	0·3	− 13
p Rounton ..	249	74	29th	42	29th	66·7	47·9	56·7	− 1·3	1	0·06	2	− 12
a West Witton ..	605	75	30th	44	29th	68·3	49·9	58·5	—	0	0·00	0	—
p Scarborough ..	100	66	1st	54	28, 31	63·4	56·0	59·4	− 0·1	1	0·10	3	− 10
p York ..	56	76	30th	49	30th	70·3	52·0	60·5	+ 0·1	1	0·18	5	− 7
b, South .. a Spurn Head ..	26	63	30th	53	29, 31, 1	61·3	54·0	57·4	− 2·9	2	0·24	6	− 4
a Lincoln ..	58	77	1st	47	29th	71·7	52·0	61·2	+ 0·2	2	0·73	19	+ 7
a Fulbeck ..	180	77	30th	46	29th	70·9	50·4	59·9	− 0·9	2	0·87	22	+ 9
3. ENGLAND, E.													
p Cromer ..	196	67	1st	50	29th	64·0	52·9	58·1	− 2·2	3	1·17	30	+ 20
a Little Massingham ..	280	74	31, 1	43	1st	69·4	48·1	58·0	− 2·5	2	1·10	28	+ 15
a Yarmouth ..	13	67	3rd	50	29, 31	64·3	53·1	58·3	− 2·2	2	0·93	24	+ 13
a Norwich ..	93	74	29th	46	31st	70·4	50·7	59·9	− 1·1	2	0·48	12	+ 1
a Geldeston ..	37	71	30th	41	31st	68·4	48·0	57·5	− 3·2	3	1·14	29	+ 19
p Cambridge ..	41	78	30th	46	28th	73·1	51·1	61·3	− 0·1	2	0·09	2	− 8
a Clacton-on-Sea ..	54	68	29, 30	49	28th	66·1	55·4	60·4	− 1·0	2	0·67	17	+ 8
a Rothamsted ..	424	76	30th	46	28th	70·4	52·0	60·6	+ 0·3	2	0·25	6	− 5
p Tottenham ..	51	77	30th	51	28th	71·6	55·6	63·0	—	2	0·78	20	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate ..	479	73	30th	43	29th	68·0	49·7	58·2	0·0	2	0·08	2	− 12
p Sheffield ..	429	75	30, 1	47	29th	70·3	52·1	60·6	—	2	0·49	12	—
p Buxton ..	987	74	30th	45	30th	68·9	50·1	58·9	—	2	0·52	13	− 9
b, East .. a Bawtry ..	65	78	1st	42	29th	71·1	50·1	59·9	− 0·3	2	0·62	16	+ 4
a Nottingham ..	82	79	1st	46	29th	73·1	52·0	61·8	+ 1·4	2	0·51	13	0
p Birmingham, Edgbsn.	535	79	31st	51	28th	72·4	54·0	62·6	+ 2·5	2	0·24	6	− 7
a Raunds ..	203	78	30th	48	28, 30	73·4	51·0	61·4	+ 0·2	2	0·13	3	− 11
p Oxford ..	208	79	31st	50	28th	73·1	53·3	62·5	+ 1·1	3	0·40	10	− 2
c, West .. a Cheadle (N. Staffs.) ..	646	76	30, 1	51	29, 30	71·1	53·9	61·9	+ 3·4	2	0·86	22	+ 5
p Shrewsbury ..	191	81	31st	46	30th	73·3	51·4	61·6	+ 1·6	3	0·74	19	+ 6
a Hereford ..	291	79	31	44	28	72·4	50·0	60·5	+0·1	3	0·61	15	+3
a Clifton ..	229	82	31st	51	28th	73·4	56·0	64·1	+ 1·6	3	0·93	24	+ 4
5. ENGLAND, S.E.													
a Marlborough ..	424	78	31st	43	28th	71·6	48·6	59·3	+ 0·2	3	0·60	15	+ 4
p Salisbury (Wilton) ..	180	78	30, 31	46	28th	72·8	50·8	61·0	− 0·2	3	1·45	37	+ 26
a Wisley, Surrey ..	150	80	31st	48	28th	73·0	52·3	61·9	+ 0·7	3	0·34	9	0
a Tunbridge Wells ..	354	77	30th	46	28th	71·9	53·0	61·8	+ 0·8	1	0·21	5	− 5
a Margate ..	51	72	29th	52	2nd	66·9	55·6	60·9	− 1·4	1	0·22	6	− 3
a Dungeness ..	21	68	29, 30, 1, 2	47	28th	66·7	55·1	60·5	− 0·9	2	0·43	11	+ 3
p St. Leonards ..	178	79	30th	50	28th	71·0	56·4	63·2	+ 1·6	3	0·55	14	+ 4
p Southampton ..	64	78	30th	50	28th	72·6	55·0	63·2	+ 0·5	3	1·20	30	+ 19
a Ventnor ..	59	72	30th	?52	28th	69·1	57·0	62·6	+ 0·4	3	1·13	29	+ 20
LONDON. p Richmond (Kew Obs.)	18	78	30, 1	49	28th	72·5	54·8	63·0	+ 0·8	2	0·72	18	+ 8
a Westminster ..	27	76	29, 30, 1	49	28th	71·9	55·2	63·0	+ 0·2	2	0·67	17	+ 7
ag Greenwich ..	149	78	29th	47	28th	72·7	52·6	62·0	− 1·1	2	0·36	9	− 4
a Hampstead ..	450	76	30th	50	28th	69·9	55·1	62·0	—	2	0·71	18	—
ag Camden Square ..	110	81	1st	48	28th	76·1	53·9	64·2	+ 0·7	2	0·82	21	+ 11
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	72	31st	48	29, 30	67·4	49·6	57·9	− 0·1	0	0·00	0	− 24
p Newton Rigg ..	559	77	31st	41	28th	71·1	46·0	57·7	+ 0·1	0	0·00	0	− 19
p Stonyhurst ..	375	73	1st	48	30th	68·7	52·3	59·9	+ 1·6	0	0·00	0	− 27
p Blackpool ..	66	78	31st	48	29th	69·6	53·1	60·8	+ 1·6	0	0·00	0	− 20
a Southport ..	37	80	31st	46	30th	70·1	53·1	61·0	+ 1·6	0	0·00	0	− 19
a Liverpool (Bidston) ..	188	79	31st	53	29th	69·9	56·0	62·5	+ 2·6	3	0·28	7	− 10
a Hawarden Bridge ..	22	81	31st	47	29, 30	72·0	54·4	62·6	+ 2·0	3	0·64	16	+ 1
p Manchester (Whit. Pk.)	125	79	30th	47	29th	72·7	54·4	62·9	+ 2·5	1	0·04	1	− 19
b. NORTH WALES.													
p Llandudno ..	16	79	31st	48	30th	69·0	55·1	61·6	+ 1·4	2	0·24	6	− 10
a Holyhead ..	15	78	31st	51	30th	68·6	55·7	61·7	+ 2·8	1	0·35	9	− 8
a Beddgelert ..	309	77	31	44	30	70·0	54·0	61·4	+3·8	2	0·21	5	—
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	3·1	− 0·7	19	•	•	•	•	•	•
Stornoway ..	9·3	+ 5·2	57	•	•	•	•	•	•
Castlebay ..	7·2	—	45	•	•	•	•	•	•
Fort Augustus ..	7·4	+ 4·3	46	•	•	•	•	•	•
Nairn ..	7·3	—	45	•	•	•	•	•	•
Gordon Castle ..	9·6	—	60	•	•	•	•	•	•
Aberdeen ..	4·6	− 0·5	29	0	41	•	•	54·6	+0·8
Balmoral ..	•	•	•	0	37	•	•	•	•
Crathes ..	5·8	+ 1·0	36	0	40	60·9	+2·3	56·5	+1·5
Dundee ..	5·4	—	34	0	35	59·9	•	•	•
Leith ..	•	•	•	0	46	•	•	•	•
Edinburgh ..	4·7	− 0·5	30	0	46	•	•	•	•
West Linton ..	6·3	—	40	0	34	•	•	•	•
Marchmont ..	4·6	− 0·5	29	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	0	36	62·2	•	56·5	•
Glasgow ..	6·4	+ 1·9	40	0	42	•	•	•	•
Rothesay ..	8·6	—	54	0	46	61·0	•	56·2	+0·7
Kilmarnock ..	9·6	—	60	•	•	60·3	•	56·0	•
Colmonell ..	•	•	•	0	43	•	•	•	•
Dumfries ..	8·9	—	57	0	39	60·6	−0·3	56·4	−2·6
Eskdalemuir ..	7·1	—	45	0	36	•	•	•	•
Douglas ..	7·5	+ 1·3	48	0	49	•	•	•	•
Cockle Park ..	4·2	− 1·4	26	0	40	57·3	−0·9	55·1	−0·5
Durham ..	5·1	− 0·3	33	0	33	•	•	•	•
Rounton ..	•	•	•	0	38	59·7	•	•	•
West Witton ..	•	•	•	0	41	60·3	•	54·9	•
Scarborough† ..	5·7	− 0·1	37	•	•	•	•	51·1	•
York ..	6·8	+ 1·4	44	•	•	61·2	+1·3	57·1	+0·1
Spurn Head ..	5·2	—	33	•	•	•	•	•	•
Lincoln ..	•	•	•	0	47	62·5	+1·1	58·1	+0·6
Rauceby ..	7·6	+ 1·0	49	•	•	63·1	+0·5	57·8	0·0
Skegness ..	8·8	+ 1·9	57	•	•	•	•	•	•
Cromer ..	7·9	+ 1·2	51	•	•	•	•	•	•
Lit. Massingham	8·2	+ 1·8	53	•	•	•	•	•	•
Yarmouth ..	8·4	—	55	0	47	63·1	−1·2	59·7	−1·3
Norwich ..	7·8	—	51	0	43	62·6	•	•	•
Geldeston ..	7·2	+ 0·5	47	•	•	•	•	•	•
Cambridge ..	5·6	− 1·1	37	0	41	63·4	−0·2	59·0	−0·8
Clacton ..	7·7	+ 0·3	50	0	45	62·7	+1·2	59·9	−0·1
Rothamsted ..	6·4	− 0·2	42	0	40	61·2	•	•	•
Tottenham ..	5·8	—	38	0	48	•	•	60·4	−0·7
Harrogate ..	6·6	+ 0·9	42	0	39	58·9	+1·2	56·6	+0·5
Sheffield ..	5·6	− 0·1	36	0	38	59·5	+0·1	55·5	+0·1
Buxton ..	6·9	—	45	0	43	60·1	+1·6	55·6	+0·8
Worksop ..	6·5	+ 1·3	42	0	37	61·5	•	57·3	•
Nottingham ..	6·3	+ 0·5	41	0	42	62·0	+0·8	58·9	+0·3
Birmingham ..	4·8	− 0·2	31	0	39	57·6	+1·0	53·0	−0·2
Raunds ..	6·0	—	39	0	40	63·6	•	57·0	•
Oxford ..	7·1	+ 0·7	46	0	43	•	•	•	•
Cheadle ..	•	•	•	0	48	•	•	•	•
Shrewsbury ..	•	•	•	0	41	•	•	•	•
Malvern ..	7·3	—	48	0	46	63·2	•	59·7	•
Clifton ..	7·8	—	51	0	49	•	•	•	•
Worthing ..	8·0	+ 0·5	52	0	45	64·0	−0·4	59·8	−0·6
Marlborough ..	5·7	− 0·3	37	0	40	61·5	•	57·1	•
Salisbury ..	•	•	•	0	44	64·3	•	•	•
Wisley ..	6·3	− 0·4	41	0	38	63·0	0·0	58·6	−1·1
Tunbridge Wells	5·7	− 1·3	37	0	39	61·8	−3·0	58·6	•
Margate ..	6·8	+ 0·2	44	0	50	65·5	+2·9	62·2	+2·8
Folkestone ..	7·0	—	46	•	•	•	•	•	•
St. Leonards ..	6·8	− 0·7	45	0	46	64·5	•	60·2	•
Southampton ..	7·2	+ 0·1	48	0	41	•	•	•	•
Ventnor ..	8·6	+ 1·4	57	•	•	•	•	•	•
Richmond ..	5·3	− 1·2	35	0	40	63·0	+0·7	57·6	−0·9
Westminster ..	4·7	− 1·2	31	0	48	•	•	•	•
Greenwich ..	5·3	− 2·2	35	0	38	•	•	•	•
Hampstead ..	5·9	—	39	0	47	•	•	•	•
Camden Square	4·7	− 0·9	31	0	47	•	•	•	•
Aspatria ..	10·0	+ 4·4	64	0	45	60·0	+0·1	55·5	+0·1
Newton Rigg ..	8·8	+ 3·2	56	0	38	61·1	+1·1	55·8	−0·2
Stonyhurst ..	6·8	+ 1·3	44	0	40	•	•	•	•
Blackpool ..	7·2	+ 0·7	46	0	36	61·0	•	56·3	•
Southport ..	7·6	+ 1·2	48	0	41	64·8	+1·4	61·9	+1·0
Hoylake ..	6·4	+ 0·3	41	•	•	•	•	•	•
Liverpool ..	7·6	—	48	0	45	•	•	•	•
Manchester (City)	5·9	—	38	0	43	62·6	+1·3	60·0	+1·0
Whitworth Park	6·2	+ 1·4	40	•	•	•	•	•	•
Llandudno ..	5·5	− 0·9	36	•	•	•	•	•	•
Holyhead ..	5·3	—	34	0	40	•	•	•	•
Aberdovey ..	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a.* SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	81	31st	50	28, 30	69·4	56·0	62·2	—	3	0·45	11	Aberystwyth ..	6·8	+ 0·9	44	•	•	•	•	•	•
a Rhayader	757	76	31st	40	30th	68·4	49·0	58·0	—	3	0·23	6	Rhayader ..	6·3	—	41	0	35	•	•	•	•
a St. Ann's Head	149	70	31st	52	30th	65·1	55·4	59·9	+ 1·0	3	1·24	32	St. Ann's Head	6·3	- 0·4	41	•	•	•	•	•	•
p Cardiff	209	79	31st	49	30th	71·9	52·9	61·7	+ 1·5	2	0·94	24	+ 4	Cardiff	7·8	—	51	0	45	63·4	+1·8	58·1	-0·7
b. ENGLAND, S.W.																							
a Bath	66	79	31st	46	28th	73·0	53·0	62·3	+ 1·4	3	0·96	24	+ 10										
a Shaftesbury	722	74	30th	745	28th	69·9	50·3	59·4	- 0·3	3	1·13	29	+ 14	Bath	•	•	•	•	•	64·6	+0·2	60·9	-0·1
a Arlington	613	75	31st	46	28th	69·1	51·8	59·9	+ 1·3	2	1·92	49	+ 24	Shaftesbury ..	•	•	•	•	•	62·1	•	59·1	•
a Hartland Quay ..	100	79	31st	52	3rd	67·9	56·6	61·9	—	2	1·10	28	—										
a Newquay	190	72	31st	43	29th	66·1	52·6	58·9	- 1·4	2	1·42	36	+ 23	Newquay ..	7·5	+ 0·6	50	•	•	63·1	•	59·1	•
a Cullompton	202	78	31st	45	28th	73·0	51·0	61·2	+ 0·8	2	1·25	32	+ 16	Cullompton ..	6·8	+ 0·6	45	0	41	62·8	•	•	•
a Portland Bill	19	67	30, 31	55	29th	64·6	57·7	60·9	+ 0·2	2	0·47	12	+ 1	Weymouth ..	8·8	—	58	•	•	•	•	•	•
p Plymouth	116	76	31st	50	30th	69·1	55·4	61·8	+ 0·8	3	0·49	12	+ 4	Plymouth ..	7·8	+ 0·9	52	•	•	64·4	+0·1	59·8	•
a Falmouth	167	70	28th	48	29th	66·4	54·3	59·9	- 0·5	3	1·22	31	+ 14	Falmouth ..	7·9	+ 0·6	52	0	40	65·1	•	61·9	•
9. IRELAND, N.																							
West .. *a* Malin Head	208	72	30th	53	28, 29, 2	64·3	55·1	59·4	+ 2·5	1	0·04	1	- 17	Malin Head ..	3·8	—	24	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	74	30th	52	28th	64·7	55·0	59·5	+ 1·6	5	1·32	31	+ 8	Markree Castle	3·9	- 0·3	25	0	40	62·2	+1·8	57·0	+0·4
West .. *p* Markree Castle ..	122	75	31st	44	28th	70·1	54·4	61·7	+ 4·7	5	0·22	6	- 16										
b, East .. *p* Armagh	196	71	31, 1	44	28th	69·6	53·7	61·1	+ 3·4	2	0·24	6	- 13	Armagh	5·1	+ 0·8	33	0	37	60·6	-0·6	56·5	-1·2
East .. *a* Donaghadee	101	66	29th	48	28th	62·7	52·3	57·1	- 0·5	1	0·08	2	- 16										
10. IRELAND, S.																							
p Dublin, City	47	71	30th	53	28, 30	67·4	55·4	61·0	+ 0·8	2	0·27	7	- 9	Trinity Coll.	•	•	•	c	40	61·7	+0·8	57·9	-0·1
a Birr Castle	175	76	31st	50	28th	68·7	54·1	60·9	+ 2·8	4	0·56	14	- 5	Phœnix Park ..	4·7	- 0·6	31	0	35	•	•	•	•
a Kilkenny	212	74	31st	48	28th	68·6	53·7	60·6	+ 1·6	4	1·01	26	+ 8	Dublin City ..	•	•	•	0	48	•	•	•	•
a Waterford	20	73	30, 31	51	30th	68·9	56·3	62·2	+ 2·4	3	1·22	31	+ 11	Birr Castle ..	4·0	- 0·6	26	0	42	•	•	•	•
p Seskin, Carrick-on-Suir	541	70	31st	50	28th	66·4	53·6	59·6	—	4	1·28	32	—	Seskin	5·5	—	36	0	48	•	•	•	•
a Cahir	199	71	31st	50	28th	68·7	55·0	61·4	+ 2·3	3	1·09	28											
a Foynes	50	72	29, 30	51	28th	66·7	56·1	61·0	+ 1·9	4	1·61	41	+ 21										
a Cahirciveen (Val. Obs.)	30	72	30th	51	28th	65·0	56·9	60·7	+ 1·5	4	1·07	27	+ 3	Cahirciveen ..	3·5	- 1·5	23	0	47	•	•	•	•
a Killarney	174	75	30th	50	28th	68·9	57·7	62·9	+ 3·4	5	1·24	31	+ 9	Ballinacurra ..	4·4	- 0·8	29	•	•	•	•	•	•
a Roche's Point	32	67	3rd	53	28th	63·9	57·0	60·2	+ 0·8	5	1·48	38	+ 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	69	30th	53	28th	66·7	55·9	60·9	+ 0·1	2	1·81	46	+ 33	Scilly	8·3	+ 0·6	55	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	82	31st	54	30th	72·0	58·4	64·7	+ 2·0	3	0·80	20	+ 8	St. Heliers ..	10·3	+ 1·7	69	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	79	31st	52	29th	71·1	56·6	63·4	+ 1·2	3	0·94	24	+ 12	Guernsey† ..	10·0	+ 1·3	67	0	47	65·1	+1·2	61·7	+0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 3rd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	35	107	26	0	315	9	28	4	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	72	96	0	113	4	2	15	11	28	0	5
Aberdeen	153	105	52	—	—	—	—	—	73	95	0	315	5	28	3	13	28	0	25
Edinburgh	486	39	31	—	—	—	—	—	125	43	0	45	5	2	14	8	1	23	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	5	117	46	—	65	7	3	15	10	3	15	5
Paisley	188	81	15	—	—	—	—	1	131	36	—	90	6	1	14	11	1	14	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	37	131	0	349	5	3	12	9	3	12	15
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	29	124	15	0	79	10	2	7	—	—	—	—
Gorleston	52	42	‡	—	—	3	2	67	87	12	0	169	11	3	12	13	3	11	50
Shoeburyness	103	90	‡	—	—	—	—	30	111	27	0	90	10	2	8	13	2	8	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	2	57	109	—	110	7	1	24	13	2	0	15
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	1	133	32	2	—	6	2	6	10	1	19	50
Brighton	261	53	6	—	—	—	—	13	110	45	0	—	8	1	21	13	1	22	25
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	6	114	48	0	67	6	2	5	10	2	4	50
Stonehenge	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	2	52	113	1	79	6	2	7	9	2	6	35
S. Kensington	123	92	30	—	—	—	—	19	68	68	13	67	7	2	5	11	2	5	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	10	137	21	90	3	2	21	7	2	20	45
Fleetwood (Cup Anr.) ..	109	44	—	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	—	—	53	110	5	0	67	9	3	7	12	3	7	25
Holyhead	60	40	‡	—	—	—	—	49	82	37	0	79	10	2	11	13	3	2	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	19	78	71	0	135	8	31	9	10	31	4	55
Plymouth	185	88	2	—	—	—	—	4	67	97	0	—	7	31	18	10	31	18	0
Lyme Regis	556	61	‡	—	—	—	—	—	26	142	0	—	4	1	4	9	1	1	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	14	92	46	16	135	8	30	11	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.)	98	41	‡	—	—	30, 31	3	97	50	18	0	155	11	30	24	22	31	3	5
Weaver Pt.	160	30	‡	—	—	—	—	74	86	8	0	—	9	1	6	12	1	6	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	5	75	88	0	270	6	2	23	10	2	22	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees

** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIRST WEEK of 1918—July 28th to August 3rd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	77	45	200+ 88·8	200+ 83·1	200+ 86·2	+ 0·1	97	+ 3	0	0	1	− 4	0·01	0	− 22	6·6	+3·0	41	1017
Eastern.																			
1. SCOTLAND, EAST ...	74	38	90·6	81·9	85·9	− 1·0	93	− 11	0	0	1	− 3	0·02	1	− 14	5·4	+0·4	34	1017
2. ENGLAND, N.E.	77	40	91·7	83·9	87·5	− 0·7	113	− 8	0	0	2	− 1	0·25	6	− 7	6·4	+0·5	41	1016
3. ENGLAND, EAST ...	78	41	93·3	84·1	88·4	− 0·7	124	− 8	0	0	2	− 1	0·73	19	+ 9	7·2	+0·5	47	1015
4. MIDLAND COUNTIES ...	82	42	95·3	84·3	89·4	+ 0·8	137	+ 11	0	0	2	− 1	0·50	13	0	6·4	+0·5	41	1015
5. ENGLAND, S.E.	80	43	94·6	85·2	89·5	+ 0·1	138	+ 1	0	0	2	− 1	0·69	17	+ 7	6·7	−0·2	44	1015
Western.																			
6. SCOTLAND, WEST ...	78	43	93·3	83·7	88·3	+ 1·1	123	+ 15	0	0	1	− 3	0·01	0	− 21	7·0	+1·6	44	1016
7. ENGLAND, N.W.	81	41	94·1	84·7	89·1	+ 1·0	132	+ 12	0	0	1	− 3	0·17	4	− 16	7·5	+1·7	48	1015
8. ENGLAND, S.W.	79	40	93·6	84·7	88·8	+ 0·3	130	+ 5	0	0	3	0	0·99	25	+ 8	7·1	+0·6	46	1014
9. IRELAND, NORTH ...	76	44	92·3	85·3	88·6	+ 1·4	126	+ 16	0	0	3	− 2	0·39	10	− 10	4·5	+0·2	29	1013
10. IRELAND, SOUTH ...	76	48	92·7	86·2	89·2	+ 1·0	124	+ 13	0	0	4	0	1·06	27	+ 7	4·2	−0·9	33	1013
11. ENGLISH CHANNEL ...	82	52	94·1	86·9	90·2	+ 0·7	147	+ 9	0	0	3	0	1·18	30	+ 18	9·5	+1·2	64	1014

THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, June 2nd to August 3rd, 1918.

0. SCOTLAND, NORTH ...	77	27	87·9	81·4	84·4	− 0·7	668	− 85	0	− 1	39	+ 2	7·55	192	+ 30	4·7	+0·2	27	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	89·9	81·1	85·2	− 0·8	754	− 90	0	0	33	0	5·63	144	+ 11	5·9	+0·4	35	1013
2. ENGLAND, N.E.	80	35	91·5	82·5	86·7	− 0·4	923	− 35	0	0	29	+ 1	4·21	107	− 12	6·5	+0·5	39	1014
3. ENGLAND, EAST ...	81	34	92·4	82·9	87·3	− 0·8	993	− 85	0	0	28	0	5·40	138	+ 27	7·0	+0·3	43	1015
4. MIDLAND COUNTIES ...	82	35	92·6	82·5	87·2	− 0·6	985	− 60	0	0	31	+ 3	4·76	122	+ 2	6·3	+0·3	39	1015
5. ENGLAND, S.E.	82	32	92·6	83·4	87·7	− 0·7	1034	− 85	0	0	28	+ 2	6·13	155	+ 50	7·2	+0·1	45	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·5	82·2	86·1	− 0·4	852	− 56	0	0	36	+ 2	5·60	142	− 26	6·3	+0·4	38	1014
7. ENGLAND, N.W.	81	36	90·7	83·2	86·6	− 0·7	920	− 67	0	0	33	+ 2	5·64	143	− 3	6·5	+0·4	39	1015
8. ENGLAND, S.W.	81	32	91·5	83·4	87·2	− 0·5	974	− 65	0	0	29	− 1	6·51	165	+ 23	7·8	+1·2	49	1017
9. IRELAND, NORTH ...	80	36	90·1	82·8	86·2	− 0·3	864	− 42	0	0	38	− 1	4·90	124	− 32	5·4	+0·4	33	1014
10. IRELAND, SOUTH ...	84	36	91·5	83·3	87·2	− 0·3	976	− 35	0	0	36	+ 3	6·56	167	+ 14	6·6	+1·1	41	1016
11. ENGLISH CHANNEL ...	82	44	91·7	85·0	88·1	− 0·3	1081	− 39	0	0	28	− 1	4·88	125	+ 19	9·2	+1·4	58	1018

THE YEAR 1918.—Aggregates, &c., for the Period of 31 Weeks, December 30th, 1917, to August 3rd, 1918.

0. SCOTLAND, NORTH ...	77	5	83·5	77·3	80·3	+ 0·1	1190	− 5	514	− 25	133	− 8	26·43	668	− 24	3·5	−0·1	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·3	76·7	80·4	0·0	1313	− 45	617	0	114	− 7	15·80	400	− 26	4·0	−0·2	30	1014
2. ENGLAND, N.E.	83	9	85·3	78·2	81·6	+ 0·4	1613	+ 82	394	− 78	104	− 4	12·54	318	− 23	4·4	−0·2	33	1016
3. ENGLAND, EAST ...	81	14	86·0	78·1	81·9	+ 0·1	1744	− 32	411	− 83	97	− 9	14·38	367	+ 40	4·9	0·0	38	1016
4. MIDLAND COUNTIES ...	84	12	86·5	78·1	82·1	+ 0·4	1821	+ 54	402	−120	99	− 6	14·47	368	0	4·3	−0·1	33	1016
5. ENGLAND, S.E.	83	15	86·5	78·7	82·4	0·0	1876	− 11	353	− 26	96	− 6	15·90	403	+ 49	5·1	0·0	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·2	78·1	81·5	+ 0·2	1544	+ 46	374	− 42	119	− 9	22·43	570	− 55	4·3	0·0	33	1015
7. ENGLAND, N.W.	84	12	85·6	78·9	82·1	+ 0·4	1700	+ 88	280	−102	106	− 8	17·01	433	− 32	4·9	+0·4	35	1016
8. ENGLAND, S.W.	82	16	86·1	79·2	82·6	+ 0·3	1824	+ 37	256	− 45	101	−12	19·11	487	− 19	5·3	+0·5	41	1017
9. IRELAND, NORTH ...	80	18	85·5	78·8	82·0	+ 0·3	1651	+ 92	277	− 63	125	−15	17·54	445	− 76	4·2	+0·2	32	1014
10. IRELAND, SOUTH ...	84	19	86·6	79·5	82·9	+ 0·4	1924	+101	217	− 43	122	− 1	21·94	556	+ 24	4·8	+0·3	36	1016
11. ENGLISH CHANNEL ...	82	26	86·5	80·9	83·6	+ 0·1	2071	+ 28	91	− 14	103	−15	14·02	357	− 54	6·3	+0·5	48	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: August 8th, 1918.

AUTHORITY FOR ISSUE
ISSUED ON - - -
16.8.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 32.

THE THIRTY-SECOND WEEK OF 1918.

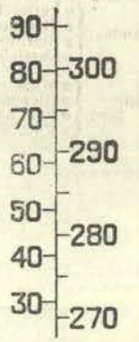
SUNDAY, AUGUST 4TH, TO SATURDAY, AUGUST 10TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Early in the week the weather over the United Kingdom was very disturbed; it improved subsequently, the latter half being fine and warm generally. On Sunday evening Margate was visited by an unusually severe thunderstorm, the "lightning being very vivid and the thunder claps very heavy," 10mm. of rain fell in a quarter of an hour and nearly 30mm. in the hour, 16.50–17.50, G.M.T. On the night of the 5th and 6th, a rather deep depression passed eastwards over our northern districts, and heavy rain fell in the South of Scotland and in the northern counties of England and Ireland; measurements of 25mm. were very common at stations in those regions, the largest being 34mm. at Colmonell (Ayrshire) and at Harrogate: there were also heavy falls, 15mm. to 22mm., in the South of England. In the rear of the depression the wind veered to north-west, and on many parts of the western and north-western coasts it reached gale force. The mean temperature for the week was 1 a. below normal in the English Channel District, elsewhere it was either equal to or slightly in excess of the normal. There was an absence of high maxima during the week, 299 a. reached in Scotland East, Scotland West, and in the Midland Counties, being the highest reading. Mean rainfall was above normal in England North-East and Ireland North, equal to it in England South-East and North-West, below it elsewhere. Fog occurred on several days between the 4th and 7th in various localities. At the end of the period an anticyclone became established over England, the day temperatures were higher and the nights cooler. Readings of 276 a. on the grass were recorded in many inland districts and there were heavy dews.

Solar halos were observed at Aberdeen on the 10th, at Oxford on the 4th and 8th and at Tenbury (Worcestershire) on the 4th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 27.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	3·2	9	2·7	8	3·2	11	2·4	19	3·2	7	3·2	17	3·6	18	3·4
North	8	2·1	7	1·9	9	2·3	5	1·4	3	3·7	19	4·3	3	3·0	6	2·2
West	3	4·6	13	5·1	11	2·6	16	2·4	25	4·0	25	5·2	17	5·7	16	4·9
East	16	3·8	4	2·9	4	2·1	2	0·8	2	1·4	3	2·2	3	1·0	7	2·1
Calm	6	—	11	—	10	—	10	—	1	—	0	—	1	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 10 weeks from June 2nd, 1918.	Warmth ...	2, 4, 4	1, 4, 5	3, 4, 3	1, 6, 3	3, 4, 3	0, 6, 4	4, 2, 4	4, 2, 4	2, 4, 4	4, 2, 4	2, 4, 4	2, 4, 4
	Rainfall ...	4, 2, 4	2, 3, 5	2, 3, 5	4, 3, 3	3, 3, 4	3, 4, 3	2, 5, 3	2, 5, 3	4, 3, 3	0, 7, 3	4, 4, 2	3, 4, 3
	Sunshine ...	4, 2, 4	3, 6, 1	1, 8, 1	2, 7, 1	3, 5, 2	3, 6, 1	4, 2, 4	4, 2, 4	6, 1, 3	3, 5, 2	4, 4, 2	5, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour

(18829—19.) Wt. 199—789. 625. 8/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. *a* Lerwick ..	54	61	9th	49	10th	57·7	50·1	53·7	+ 0·7	3	0·44	11	− 4									
p Deerness	160	63	8th	50	7th	59·0	52·1	55·3	—	3	0·79	20	+ 5	Deerness	2·6	− 1·2	16	•	•	•	•	•	•
a Stornoway	51	64	6, 10	54	8, 9	62·3	55·0	58·4	+ 3·6	4	0·63	16	− 4	Stornoway	2·4	− 1·8	15	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	66	6th	52	5th	61·3	54·7	57·8	—	5	0·23	6	—	Castlebay	2·1	—	13						
b, Mainland. *a* Wick	81	65	8th	48	7th	59·3	52·6	55·8	+ 1·2	4	0·28	7	− 8									
p Glencarron	500	71	10th	51	4, 8, 9	63·4	52·7	57·7	+ 3·0	5	0·99	25	− 11									
a Fort Augustus	88	73	10th	53	10th	64·4	55·3	59·6	+ 3·2	?	?	?	?	Fort Augustus	1·2	− 2·0	8	•	•	•	•	•	•
p Fort William	171	74	10th	50	4th	65·4	54·4	59·6	+ 2·8	4	0·55	14	− 18									
1. SCOTLAND, E.																						
a Nairn	82	75	10th	51	8th	65·3	53·4	59·0	+ 2·4	5	0·42	11	− 3	Nairn	3·9	—	25	•	•	•	•	•	•
p Gordon Castle	101	77	10th	46	7th	67·4	53·3	59·9	+ 3·2	4	0·49	12	− 6	Gordon Castle	3·8	—	24	•	•	•	•	•	•
a Aberdeen	46	71	8th	49	7th	64·3	54·0	58·8	+ 2·2	2	0·02	1	− 15	Aberdeen	3·5	− 1·4	22	0	41	•	•	54·9	+0·8
a Balmoral	930	68	7th	45	7th	63·3	49·9	56·2	+ 2·2	4	0·74	19	+ 2	Balmoral				0	44	•	•	•	•
p Crieff	432	73	10th	51	9th	66·1	53·4	59·4	+ 1·8	6	0·76	19	− 3	Crathes	5·0	+ 0·5	32	0	39	60·6	+1·8	57·2†	+2·0
a Dundee	244	74	10th	49	9th	66·0	53·4	59·3	+ 1·6	2	0·61	15	− 4	Dundee	3·8	—	24	0	42	59·4	•	•	•
a Leith	30	73	10th	54	10th	65·6	53·6	59·2	+ 0·5	3	0·32	8	− 8	Leith	•	•	•	0	50	•	•	•	•
p Edinburgh	441	74	10th	50	4th	65·6	53·7	59·3	+ 2·3	3	0·28	7	− 9	Edinburgh	4·6	− 0·4	30	0	49	•	•	•	•
a West Linton	769	73	10th	42	10th	65·1	51·1	57·7	+ 3·4	3	0·28	7	—	West Linton	4·8		31	0	40	•	•	•	•
p Marchmont	498	79	10th	46	7th	68·3	52·3	59·8	+ 3·3	2	0·09	2	− 16	Marchmont	5·2	+ 0·3	34	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	72	10th	49	10th	64·8	55·0	59·6	—	6	0·45	12	—	Ford (Argyll)	•	•	•	0	43	61·7	•	57·4	•
p Glasgow Observatory	180	75	10th	54	10th	66·4	55·9	60·8	+ 3·4	3	0·34	9	− 12	Glasgow	2·7	− 1·6	18	0	45	•	•	•	•
p Rothesay	200	67	10th	52	10th	62·9	54·1	58·2	+ 0·8	6	0·24	6	− 20	Rothesay	2·7	—	18	0	46	60·0	•	56·5	+0·8
a Kilmarnock	90	78	10th	49	10th	70·3	55·0	62·2	+ 5·7	4	0·17	4	− 18	Kilmarnock	2·1	—	14	•	•	60·9	•	56·4	•
a Colmonell	170	73	10th	47	4th	67·1	54·1	60·2	+ 3·8	3	1·83	46	+ 25	Colmonell	•	•	•	0	43	•	•	•	•
p Cally, Gatehouse	120	72	6th	49	4th	68·4	54·0	60·8	+ 4·4	4	1·47	37	+ 13	Dumfries	3·8	—	25	0	40	60·7	− 0·4	56·8	− 2·3
p Dumfries	160	72	10th	48	4th	67·9	52·7	59·8	+ 1·6	5	0·86	22	+ 2	Eskdalemuir	3·5	—	23	0	36	•	•	•	•
a Eskdalemuir	794	69	7th	39	7th	65·1	48·9	56·5	—	6	0·49	13	—									
b, I. OF MAN *p* Douglas	277	70	10th	52	4, 8, 10	65·9	53·6	59·4	+ 2·0	4	0·87	22	+ 1	Douglas	5·7	− 0·3	37	0	48	•	•	•	•
2. ENGLAND, N.E.																						
a North .. *a* Alnwick Castle	210	70	10th	50	10th	66·1	54·1	59·7	+ 2·4	1	0·05	1	− 15									
a Tynemouth	71	68	9th	53	10th	63·7	55·1	59·1	+ 1·4	3	0·12	3	− 12	Cockle Park	3·6	− 1·7	23	0	48	58·2	− 0·3	55·3	− 0·7
p Durham	336	72	10th	50	10th	67·0	54·1	60·2	+ 2·2	4	0·61	16	+ 2	Durham	4·2	− 0·8	27	0	41	•	•	•	•
p Rounton	249	72	10th	46	10th	68·3	53·4	60·4	+ 3·0	4	1·44	37	+ 21	Rounton	•	•	•	0	40	60·3	•	•	•
a West Witton	605	74	7, 10	49	7th	68·9	53·3	60·6	—	4	1·80	46	—	West Witton	•	•	•	0	46	60·4	•	55·6	•
p Scarborough	100	68	8th	55	6th	64·3	56·6	60·2	+ 1·2	4	1·34	34	+ 19	Scarborough†	3·6	− 1·9	24	•	•	•	•	51·5	•
p York	56	75	10th	50	10th	68·9	54·9	61·5	+ 1·8	4	1·05	27	+ 13	York	4·3	− 0·8	28	•	•	61·3	+1·1	57·9	+0·6
b, South .. *a* Spurn Head	26	66	8th	54	6, 7	64·4	55·4	59·6	− 0·2	2	1·06	27	+ 16	Spurn Head	3·4	—	23	•	•	•	•	•	•
a Lincoln	68	74	10th	48	10th	70·3	54·3	61·8	+ 1·5	2	0·32	8	− 5	Lincoln	•	•	•	0	45	63·0	+1·3	58·9	+1·0
a Fulbeck	180	75	10th	46	10th	70·6	52·7	61·1	+ 0·9	3	0·26	7	− 7	Rauceby	5·9	− 0·3	39	•	•	63·5	+0·6	58·2	+0·1
														Skegness	5·6	− 0·9	37	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	70	8th	51	9th	67·6	54·0	60·4	+ 0·3	4	0·26	7	− 4	Cromer	5·1	− 1·0	34	•	•	•	•	•	•
a Little Massingham	280	72	10th	48	9th	68·9	51·9	59·9	− 0·2	3	0·44	11	− 4	Lit. Massingham	5·1	− 0·7	34	•	•	•	•	•	•
a Yarmouth	13	69	8th	52	5, 9	67·6	54·1	60·5	+ 0·1	3	0·21	5	− 8	Yarmouth	5·2	—	35	0	49	63·9	− 0·8	60·4	− 0·9
a Norwich	93	72	10th	52	9th	69·7	54·0	61·4	+ 0·7	2	0·28	7	− 6	Norwich	3·9	—	26	0	49	63·4	•	•	•
a Geldeston	37	71	5, 6, 8	49	7, 9	69·4	51·6	60·0	− 0·4	3	0·27	7	− 4	Geldeston	4·4	− 1·7	29	•	•	•	•	•	•
p Cambridge	41	76	10th	44	10th	72·0	51·6	61·2	+ 0·2	3	0·12	3	− 9	Cambridge	5·7	− 0·4	38	0	39	63·5	+0·2	59·7	− 0·5
a Clacton-on-Sea	54	69	4th	50	10th	67·0	54·3	60·3	− 0·9	2	0·23	6	− 4	Clacton	5·7	− 1·2	38	0	48	62·7	+0·7	60·4	0·0
a Rothamsted	424	73	10th	50	10th	68·7	52·9	60·3	+ 0·4	3	0·14	4	+ 1	Rothamsted	5·6	− 0·5	38	0	40	61·3	•	•	•
p Tottenham	51	74	4th	51	10th	69·9	54·4	61·7	—	4	0·45	11	—	Tottenham	5·3	—	36	0	49	•	•	61·0	− 0·4
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	72	10th	50	10th	67·3	53·4	59·9	+ 1·9	4	2·07	53	+ 39	Harrogate	4·8	− 0·6	31	0	45	59·2	+1·4	57·3	+1·0
p Sheffield	429	74	10th	52	6th	68·4	55·3	61·5	—	4	0·39	10	—	Sheffield	4·5	− 0·8	30	0	45	60·1	+0·4	55·9	0·0
p Buxton	987	76	10th	47	6th	67·3	51·1	58·7	—	6	0·61	15	− 6	Buxton	4·4	—	29	0	45	59·9	+0·9	56·3	+1·2
b, East .. *a* Bawtry	65	75	10th	47	10th	69·4	53·4	60·9	+ 1·0	3	0·57	14	+ 2	Worksop	4·8	− 0·1	32	0	40	61·9	•	58·1	•
a Nottingham	82	77	10th	48	10th	69·9	53·7	61·3	+ 1·3	2	0·16	4	− 8	Nottingham	5·3	− 0·2	35	0	42	62·3	+0·8	59·8	+0·7
p Birmingham, Edgbsn.	535	75	7, 10	49	6th	69·1	53·3	60·7	+ 0·9	2	0·13	3	− 10	Birmingham	4·8	0·0	32	0	41	57·4	+0·3	53·8	+0·2
a Raunds	203	76	7, 10	46	10th	72·1	53·4	62·2	+ 1·3	2	0·17	4	− 9	Raunds	5·9	—	39	0	37	64·0	•	57·8	•
p Oxford	208	76	10th	49	10th	70·1	54·3	61·7	+ 0·6	2	0·09	2	− 10	Oxford	5·7	− 0·4	38	0	43	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	75	10th	48	6th	68·0	52·1	59·6	+ 1·4	3	0·19	5	− 12	Cheadle	•	•	•	0	47	•	•	•	•
p Shrewsbury	191	78	7th	47	6th	70·3	52·7	61·0	+ 1·4	3	0·10	3	− 11	Shrewsbury	•	•	•	0	42	•	•	•	•
a Hereford	291	73	10th	48	5, 10	70·0	51·3	60·1	0·0	1	0·07	2	− 10	Malvern	4·3	—	29	0	44	63·0	•	60·7	•
a Clifton	229	75	10th	52	6th	71·0	55·3	62·7	+ 0·5	3	0·31	8	− 12	Clifton	5·0	—	34	0	50	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	75	10th	42	10th	68·9	50·4	59·1	+ 0·2	3	0·21	5	− 7	Worthing	5·9	− 1·2	40	0	47	63·9	− 0·6	60·2	− 0·6
p Salisbury (Wilton)	180	76	10th	47	10th	69·7	52·0	60·3	− 0·6	4	0·43	11	− 1	Marlborough	6·8	+ 1·1	46	0	39	63·0	•	57·8	•
a Wisley, Surrey	150	76	10th	48	10th	70·6	52·7	61·1	+ 0·1	1	0·05	1	− 8	Salisbury	•	•	•	0	46	64·2	•	•	•
a Tunbridge Wells	354	73	10th	47	10th	69·0	51·4	59·7	− 1·2	3	0·25	6	− 5	Wisley	5·7	− 0·7	38	0	37	63·2	0·0	59·5	− 0·6
a Margate	51	69	4, 8	54	7, 9	67·3	55·7	61·2	− 1·1	4	1·42	36	+ 27	Tunbridge Wells	4·1	− 2·5	28	0	38	61·8	−3·4	59·1	•
a Dungeness	21	70	9th	48	7th	66·3	53·3	59·4	− 2·1	5	0·30	8	− 1	Margate	5·3	− 1·0	36	0	50	65·9	+3·0	63·0	+3·1
p St. Leonards	178	70	7th	52	9th	66·7	54·7	60·3	− 1·3	5	0·49	13	+ 2	Folkestone	6·0	—	40	•	•	•	•	56·3	•
p Southampton	64	76	10th	52	10th	70·3	55·4	62·4	− 0·1	4	0·35	9	− 3	St. Leonards	5·6	− 1·4	38	0	49	63·8	•	60·9	•
a Ventnor	59	70	7, 10	54	6th	67·6	56·6	61·8	− 0·5	4	0·43	11	+ 2	Southampton	6·8	+ 0·1	46	0	44	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	75	10th	50	10th	70·9	54·8	62·4	+ 0·6	4	0·12	3	− 7	Ventnor	6·6	− 0·2	44	•	•	•	•	•	•
a Westminster	27	73	4, 10	50	10th	70·0	54·2	61·6	− 1·0	4	0·37	9	− 1	Richmond	5·4	− 0·8	36	0	38	63·3	+0·7	58·6	− 0·2
ag Greenwich	149	75	4th	48	10th	71·6	53·0	61·7	− 1·0	2	0·07	2	− 11	Westminster	4·2	− 1·4	28	0	50	•	•	•	•
a Hampstead	450	74	10th	51	6, 9, 10	69·0	53·1	60·6	—	4	0·21	5	—	Greenwich	4·4	− 2·8	30	0	38	•	•	•	•
ag Camden Square	110	77	10th	51	9, 10	72·9	53·4	62·6	− 0·7	4	0·32	8	− 2	Hampstead	5·5	—	37	0	45	•	•	•	•
														Camden Square	4·1	− 1·2	28	0	47	•	•	•	•
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	70	10th	49	7th	66·1	52·7	59·0	+ 1·1	4	1·06	27	+ 5	Aspatria	3·2	− 2·0	21	0	46	60·3	+0·4	56·4	+0·8
p Newton Rigg	559	71	4, 7, 10	45	7th	67·3	51·1	58·7	+ 1·5	5	1·41	36	+ 18	Newton Rigg	4·0	− 1·2	26	0	43	61·4	+1·2	56·5	+0·2
p Stonyhurst	375	71	4, 7	49	10th	68·0	53·9	60·5	+ 2·5	4	0·99	25	0	Stonyhurst	4·9	− 0·2	32	0	44	•	•	•	•
p Blackpool	66	71	5th	53	10th	68·4	55·4	61·5	+ 2·5	4	0·93	24	+ 6	Blackpool	5·7	− 0·3	38	0	41	61·1	•	56·6	•
a Southport	37	73	5th	53	10th	67·6	55·6	61·2	+ 2·0	3	0·74	19	+ 1	Southport	5·9	− 0·1	39	0	46	64·9	+1·5	62·5	+1·4
														Hoylake	6·3	+ 0·3	42	0	46	•	•	•	•
a Liverpool (Bidston)	188	71	5th	50	6th	67·7	55·3	61·1	+ 1·4	3	0·55	14	− 2	Liverpool	6·3		42	0	46	•	•	•	•
a Hawarden Bridge	22	73	7, 10	51	6th	69·4	54·6	61·6	+ 1·1	2	0·25	6	− 8	Manchester (City)	2·9	− 1·3	19	0	45	62·6	+1·1	60·9	+1·4
p Manchester (Whit. Pk.)	125	76	7th	49	10th	69·3	54·9	61·7	+ 1·5	4	1·02	26	+ 8	Whitworth Park	2·8	− 1·6	19	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	71	10th	50	4th	66·7	54·4	60·2	+ 0·2	3	0·42	11	− 4	Llandudno	4·0	− 1·9	26	•	•	•	•	•	•
a Holyhead	15	67	5, 10	52	4, 6	65·3	54·1	59·4	+ 0·5	2	0·17	4	− 12	Holyhead	4·4	—	29	0	47	•	•	•	•
a Beddgelert	309	71	10th	46	4th	65·4	51·9	58·3	− 0·2	5	0·56	14	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation (from average).	Earth 4 ft. Mean.	Earth 4 ft. Deviation (from average).
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	68	5th	51	6th	64·9	56·0	60·2	—	2	0·25	6	—	3·0	− 2·7	20	•	•	•	•	•	•
a Rhayader	757	72	10th	47	4th	65·3	51·7	58·1	—	4	0·11	3	—	4·5	—	30	0	40	•	•	•	•
a St. Ann's Head	149	64	6, 9	53	6th	62·7	55·4	58·8	− 0·4	5	0·91	8	− 7	3·5	− 2·9	23	•	•	•	•	•	•
p Cardiff	202	73	10th	51	9th	67·4	54·3	60·5	+ 0·2	4	0·29	7	− 12	5·8	—	39	0	46	63·7	+1·5	59·0	−0·1
b. ENGLAND, S.W.																						
a Bath	66	74	7th	48	10th	70·0	54·1	61·6	+ 0·7	2	0·24	6	− 8	•	•	•	•	•	64·9	+0·1	61·5	+0·1
a Shaftesbury	722	72	10th	49	6th	66·9	52·1	59·1	− 0·6	4	0·76	19	+ 5	•	•	•	•	•	62·3	•	59·6	•
a Arlington	613	69	10th	49	6th	64·9	53·8	59·0	+ 0·3	3	1·09	28	+ 4									
a Hartland Quay ..	100	66	10th	54	6th	63·3	57·0	60·0	—	4	0·75	19	—									
a Newquay	190	67	10th	54	7th	64·3	56·1	60·0	− 0·5	4	0·43	11	− 1	Newquay ..	3·7	− 2·9	25	0	51	63·6	•	59·4	•
a Cullompton	202	74	10th	51	6th	69·6	54·3	61·5	+ 1·1	2	0·79	20	+ 5	Cullompton ..	4·3	− 1·6	29	0	46	63·1	•	•	•
a Portland Bill	19	67	10th	55	6, 7	64·6	56·4	60·3	− 0·7	4	0·43	11	+ 1	Weymouth ..	7·1	—	48	•	•	•	•	•	•
p Plymouth	116	69	9th	49	7th	66·6	55·3	60·6	− 0·5	3	0·73	19	+ 5	Plymouth ..	4·1	− 2·5	28	•	•	63·7	− 0·6	59·3	•
a Falmouth ..	167	69	9th	53	6th	66·1	55·6	60·5	0·0	4	0·49	13	− 3	Falmouth ..	3·0	− 4·0	20	0	51	64·9	•	62·6	•
9. IRELAND, N.																						
West .. *a* Malin Head	208	71	10th	53	7, 9	63·1	54·1	58·3	+ 1·2	4	1·27	32	+ 11	Malin Head ..	4·6	—	30	•	•	•	•	•	•
West .. *a* Blacksod Point ..	327	64	9, 10	50	6th	61·7	53·0	57·1	− 0·9	4	1·22	31	+ 5	Markree Castle	2·2	− 2·1	14	0	38	61·6	+0·9	57·6	+0·8
West .. *p* Markree Castle ..	122	73	10th	43	7th	66·6	53·0	59·4	+ 2·4	4	0·59	15	− 10									
East .. *p* Armagh	196	71	9, 10	51	6th	67·1	54·3	60·3	+ 2·6	3	1·03	26	+ 5	Armagh	3·6	− 0·7	24	0	44	61·5	+0·3	57·2	−0·8
East .. *a* Donaghadee ..	101	73	10th	54	4–6, 8	64·3	54·6	59·2	+ 1·5	3	1·54	39	+ 19									
10. IRELAND, S.																						
p Dublin, City	47	72	10th	52	6th	68·0	55·4	61·3	+ 1·4	5	0·64	16	− 2	Trinity Coll. ..	•	•	•	0	46	61·9	+0·8	58·4	+0·2
a Birr Castle	175	71	10th	51	6–9	66·3	52·3	58·9	+ 0·6	5	0·61	16	− 6	Phœnix Park ..	4·4	− 1·1	29	0	41	•	•	•	•
a Kilkenny	212	69	5, 10	49	9th	66·9	52·6	59·3	+ 0·6	5	0·78	20	0	Dublin City ..	•	•	•	0	48	•	•	•	•
a Waterford	20	72	10th	52	6, 7	67·1	54·0	60·2	+ 0·6	2	0·59	15	− 7	Birr Castle ..	2·0	− 2·8	13	0	43	•	•	•	•
p Seskin, Carrick-on-Suir	541	70	9th	49	6, 7	65·4	52·4	58·5	—	3	0·93	24	—	Seskin	1·9	—	13	0	41	•	•	•	•
a Cahir	199	71	5th	45	7th	66·7	52·1	59·0	+ 0·1	3	0·76	19											
a Foynes	50	72	10th	48	7th	65·7	53·4	59·2	+ 0·3	6	0·59	15	− 7										
a Cahirciveen (Val. Obs.)	30	68	10th	50	4, 7	63·1	53·7	58·1	− 1·0	5	0·77	20	− 7	Cahirciveen ..	3·4	− 1·9	23	0	44	•	•	•	•
a Killarney	174	73	9th	47	7th	67·2	54·1	60·3	+ 1·0	3	0·81	21	− 4	Ballinacurra ..	3·1	− 2·2	21	•	•	•	•	•	•
a Roche's Point	32	72	9th	50	7th	65·4	54·1	59·4	+ 0·1	6	0·74	19	− 2										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	67	8, 10	55	6–9	64·4	55·7	59·8	− 1·2	4	0·33	8	− 6	Scilly	3·2	− 4·2	22	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	10th	54	4, 5	66·1	58·0	60·8	− 2·2	3	0·36	9	− 4	St. Heliers ..	6·3	− 1·9	43	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	72	10th	55	6, 7	66·9	56·6	61·4	− 1·1	4	0·71	18	+ 5	Guernsey† ..	7·2	− 1·1	49	0	51	64·1	−0·2	6·23	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 10th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.			m/s.			
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	45	101	22	0	124	9	7	22	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	110	53	0	180	6	8	12	11	9	10	15
Aberdeen	153	105	52	—	—	—	—	14	114	40	0	304	8	9	9	13	8	14	5
Edinburgh	485	39	31	—	—	—	—	49	58	61	0	247	10	8	13	15	8	13	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	58	59	51	—	245	9	8	16	14	7	19	50
Paisley	188	81	15	—	—	—	—	32	75	61	—	270	9	8	14	18	8	13	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	2	96	63	7	315	6	9	9	11	8	15	45
South Shields	72	61	12	—	—	—	—	19	87	62	0	304	8	9	8	13	8	15	10
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	16	122	30	0	169	7	5	14	—	—	—	—
Gorleston	52	42	‡		—	5	1	61	101	5	0	169	11	5	13	17	6	4	15
Shoeburyness	103	90	‡		—	—	—	55	104	9	0	—	8	6	4	15	6	2	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	4	106	58	0	18	6	5	15	11	5	14	5
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	1	157	10	0	—	6	6	9	12	6	1	0
Brighton	261	53	6	—	—	—	—	45	96	27	0	—	10	6	8	18	6	10	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	67	84	17	0	247	9	5	24	17	5	23	40
Butler's Cross, S'y Plain	—	43	‡	—	—	—	—	72	85	11	0	270	10	5	22	15	5	22	10
Richmond (Kew Obs.)..	82	66	22	—	—	—	—	—	70	86	12	169	4	5	15	9	8	12	50
S. Kensington	123	92	30	—	—	—	—	—	78	62	28	270	5	8	15	9	8	15	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	27	28	90	23	293	7	9	1	13	9	1	0
Fleetwood (Cup Anr.) ..	109	44	—	—	—	8, 9	16	43	91	18	0	281	14	9	4	—	—	—	—
Southport	80	62	48	—	—	5, 6, 8, 9	33	36	91	8	0	281	15	9	2	20	8	22	35
Holyhead	60	40	‡	—	—	5, 8, 9	3	77	74	14	0	270	11	8	23	18	5	20	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	5, 6	12	78	56	22	0	270	15	6	7	23	6	7	25
Plymouth	185	88	2	—	—	—	—	23	98	47	0	—	9	6	7	16	6	7	25
Lyme Regis	556	61	‡	—	—	—	—	29	85	54	0	—	11	6	10	16	6	10	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	5, 9	13	56	85	11	3	236	14	5	22	—	—	—	—
Quilty	100	40	‡	—	—	5, 6	23	80	35	21	9	—	16	6	3	21	6	2	5
Cahirciveen (Val. Obs.)	98	41	‡	—	—	10	1	71	76	20	0	180	11	10	14	20	5	21	20
Weaver Pt.	160	30	‡	—	—	5, 6	12	42	97	17	0	—	12	6	3	20	6	5	55
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	5, 6	21	16	116	15	0	315	17	6	7	24	6	6	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees
‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
The data published in the last three weeks for "Stonehenge" refer to the anemograph at Butler's Cross, which is actually about 7½ miles north-west from Stonehenge.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SECOND WEEK of 1918—August 4th to August 10th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	74	48	89·7	84·9	87·2	+ 1·3	109	+ 17	0	0	4	− 1	0·58	15	− 7	2·1	−1·5	13	1012
Eastern.																			
1. SCOTLAND, EAST ...	79	42	91·7	84·4	87·9	+ 1·2	118	+ 16	0	0	4	0	0·38	10	− 8	4·3	−0·4	28	1012
2. ENGLAND, N.E.	75	46	92·5	85·5	88·8	+ 1·0	129	+ 12	0	0	3	− 1	0·69	18	+ 4	4·5	−1·0	30	1013
3. ENGLAND, EAST ...	76	44	93·6	84·8	88·9	0·0	130	0	0	0	3	0	0·27	7	− 5	5·3	−0·9	35	1014
4. MIDLAND COUNTIES ...	78	46	93·9	84·8	89·1	+ 0·7	133	+ 9	0	0	3	0	0·39	10	− 3	5·0	−0·6	33	1014
5. ENGLAND, S.E.	76	42	93·4	85·1	89·0	− 0·4	132	− 4	0	0	4	+ 1	0·41	10	0	5·8	−0·8	39	1015
Western.																			
6. SCOTLAND, WEST ...	78	47	92·3	85·4	88·6	+ 1·5	127	+ 20	0	0	4	0	0·78	20	− 3	4·2	−1·0	27	1013
7. ENGLAND, N.W.	76	45	92·7	85·3	88·8	+ 0·9	129	+ 11	0	0	3	− 1	0·75	19	0	4·4	−1·0	29	1013
8. ENGLAND, S.W.	74	47	92·1	85·4	88·6	0·0	126	0	0	0	4	0	0·52	13	− 3	3·7	−2·5	25	1016
9. IRELAND, NORTH ...	73	43	91·3	85·0	87·9	+ 0·7	118	+ 10	0	0	4	0	1·04	26	+ 3	2·9	−1·4	19	1012
10. IRELAND, SOUTH ...	73	45	92·1	84·9	88·3	+ 0·2	123	+ 3	0	0	4	0	0·70	18	− 4	3·3	−2·0	22	1015
11. ENGLISH CHANNEL ...	72	54	91·8	86·4	88·9	− 0·8	131	− 9	0	0	4	+ 1	0·47	12	− 2	5·6	−2·4	38	1018

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, June 2nd to August 10th, 1918.

0. SCOTLAND, NORTH ...	77	27	88·1	81·8	84·7	− 0·5	779	− 66	0	− 1	43	+ 1	8·13	207	+ 23	4·5	0·0	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	90·1	81·5	85·5	− 0·6	872	− 74	0	0	37	0	6·01	154	+ 3	5·8	+0·4	34	1013
2. ENGLAND, N.E.	80	35	91·6	82·8	86·9	− 0·2	1052	− 23	0	0	32	0	4·90	125	− 8	6·3	+0·3	38	1014
3. ENGLAND, EAST ...	81	34	92·5	83·1	87·5	− 0·7	1123	− 85	0	0	31	0	5·67	145	+ 22	6·8	+0·2	43	1015
4. MIDLAND COUNTIES ...	82	35	92·8	82·8	87·4	− 0·5	1118	− 51	0	0	34	+ 3	5·15	132	− 1	6·2	+0·2	38	1015
5. ENGLAND, S.E.	82	32	92·7	83·5	87·8	− 0·7	1166	− 89	0	0	32	+ 3	6·54	165	+ 50	7·0	0·0	44	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·7	82·5	86·3	− 0·3	979	− 36	0	0	40	+ 2	6·38	162	− 29	6·1	+0·2	37	1014
7. ENGLAND, N.W.	81	36	90·9	83·4	86·9	− 0·4	1049	− 56	0	0	36	+ 1	6·39	162	− 8	6·3	+0·2	38	1015
8. ENGLAND, S.W.	81	32	91·6	83·6	87·3	− 0·5	1100	− 65	0	0	33	− 1	7·03	178	+ 20	7·4	+0·9	47	1017
9. IRELAND, NORTH ...	80	36	90·2	83·0	86·3	− 0·3	982	− 32	0	0	42	− 1	5·94	150	− 29	5·2	+0·3	32	1014
10. IRELAND, SOUTH ...	84	36	91·6	83·5	87·3	− 0·2	1099	− 32	0	0	40	+ 3	7·26	185	+ 10	6·3	+0·8	39	1016
11. ENGLISH CHANNEL ...	82	44	91·7	85·1	88·2	− 0·3	1212	− 48	0	0	32	0	5·35	137	+ 17	8·8	+1·0	56	1018

THE YEAR 1918.—Aggregates, &c., for the Period of 32 Weeks, December 30th, 1917, to August 10th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·7	77·6	80·5	+ 0·1	1301	+ 14	514	− 25	137	− 9	27·01	683	− 31	3·5	−0·1	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·6	77·0	80·6	0·0	1431	− 29	617	0	118	− 7	16·18	410	− 34	4·0	−0·2	30	1014
2. ENGLAND, N.E.	83	9	85·6	78·4	81·8	+ 0·4	1742	+ 94	394	− 78	107	− 5	13·23	336	− 19	4·4	−0·2	33	1016
3. ENGLAND, EAST ...	81	14	86·3	78·3	82·1	+ 0·1	1874	− 32	411	− 83	100	− 9	14·65	374	+ 35	4·9	0·0	38	1016
4. MIDLAND COUNTIES ...	84	12	86·8	78·3	82·4	+ 0·5	1954	+ 63	402	−120	102	− 6	14·86	378	− 3	4·3	−0·1	33	1016
5. ENGLAND, S.E.	83	15	86·7	78·9	82·7	+ 0·1	2008	− 15	353	− 26	100	− 5	16·31	413	+ 49	5·1	0·0	39	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·4	78·3	81·7	+ 0·2	1671	+ 66	374	− 42	123	− 9	23·21	590	− 58	4·3	−0·1	33	1015
7. ENGLAND, N.W.	84	12	85·8	79·1	82·3	+ 0·4	1829	+ 99	280	−102	109	− 9	17·76	452	− 32	4·6	+0·1	35	1016
8. ENGLAND, S.W.	82	16	86·3	79·3	82·8	+ 0·3	1950	+ 37	256	− 45	105	−12	19·63	500	− 22	5·2	+0·3	40	1017
9. IRELAND, NORTH ...	80	18	85·6	79·0	82·2	+ 0·4	1769	+102	277	− 63	129	−15	18·58	471	− 73	4·1	+0·1	31	1014
10. IRELAND, SOUTH ...	84	19	86·7	79·6	83·1	+ 0·4	2047	+104	217	− 43	126	− 1	22·64	574	+ 3	4·7	+0·2	36	1016
11. ENGLISH CHANNEL ...	82	26	86·7	81·0	83·8	+ 0·1	2202	+ 19	91	− 14	107	−14	14·49	369	− 56	6·2	+0·4	48	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: August 15th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
AKS
23.8.18
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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 33.

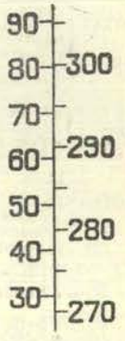
THE THIRTY-THIRD WEEK OF 1918.
SUNDAY, AUGUST 11TH, TO SATURDAY, AUGUST 17TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout the week barometric pressure was high over the southern half of the United Kingdom, and over the neighbouring parts of the Continent and the Atlantic, while depressions travelled eastwards between Iceland and Scotland. The weather over our northern and western coasts was rather unsettled and cloudy; rain fell on five days in Ireland North, six in Scotland West, and on seven days in Scotland North. The amounts of rainfall were, however, nowhere very large, Scotland North being the only District where the week's total was above the normal; the amount of precipitation decreased in a southerly direction, and in England South-East, where a little rain fell on Saturday, the total was less than a millimetre; at some stations the week was rainless. Thunderstorms occurred on the 12th down the east of Britain, from Kincardine to Norfolk. Temperature readings of 300 a. were recorded at Raunds, Nottingham and Cambridge on the 14th, but as a rule the daily maxima were not high for the season; minima between 278 a. and 280 a. were registered in many inland parts of Great Britain, while grass minima of 275 a. occurred in isolated places; the average weekly temperature was above normal in all Districts, the largest excess being 1·6 a. in England North-East. Bright sunshine was scanty in the neighbourhood of the depressions, but abundant elsewhere, the daily mean in England North-East, England South-East, and the English Channel being about 2½ hours in excess of the normal. Heavy dews were formed on several nights.

Solar halos were observed on the 11th at Richmond, Bognor and Oxford, and at the last-named station on the 15th and 16th also.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 27.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	23	3·6	17	4·7	16	3·0	7	2·8	23	4·1	7	3·0	19	3·4	21	4·0
North	0	—	1	2·2	8	2·2	8	1·1	1	1·7	—	2·3	0	—	6	1·5
West	19	5·7	24	6·1	15	2·3	15	2·3	27	3·8			20	5·7	21	3·7
East	5	1·3	1	1·3	9	1·6	1	0·3	1	1·2	7	1·5	7	1·9	4	1·6
Calm	0	—	1	—	2	—	12	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ...	Heavy	Light	Light	Very light	Very light	Very light	Moderate	Light	Light	Moderate	Light	Very light
Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 11 weeks from June 2nd, 1918. Warmth ...	3, 4, 4	2, 4, 5	4, 4, 3	2, 6, 3	4, 4, 3	1, 6, 4	5, 2, 4	5, 2, 4	3, 4, 4	5, 2, 4	3, 4, 4	3, 4 4
Rainfall ...	5, 2, 4	2, 3, 6	2, 3, 6	4, 3, 4	3, 3, 5	3, 4, 4	2, 6, 3	2, 5, 4	4, 3, 4	0, 8, 3	4, 4, 3	3, 4, 4
Sunshine ...	4, 3, 4	3, 7, 1	2, 8, 1	3, 7, 1	4, 5, 2	4, 6, 1	4, 2, 5	4, 3, 4	7, 1, 3	3, 6, 2	4, 5, 2	6, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(18918—19.) Wt. 199—789. 625. 8/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F	°F		in.	mm.	mm.
0. SCOTLAND, N. a. Islands:													
a Lerwick	54	60	12th	47	16, 17	56·6	49·9	53·1	+ 0·5	7	0·69	17	+ 1
p Deerness	160	64	11, 12	?49	16th	60·9	51·9	56·1	—	7	1·02	26	+ 10
a Stornoway	51	63	11, 12	51	17th	60·7	53·6	56·9	+ 2·6	7	1·54	39	+ 17
a Castlebay, Barra Isd.	37	62	13th	53	16th	59·0	55·0	56·9	—	7	1·20	30	—
b. Mainland:													
a Wick	81	65	11th	49	16th	61·4	51·6	56·2	+ 2·1	7	1·22	31	+ 16
p Glencarron	600	72	11th	45	16th	59·9	51·7	55·6	+ 1·1	7	1·98	50	+ 12
a Fort Augustus	68	69	11th	50	11th	63·0	52·3	57·3	+ 1·4	5	0·85	22	+ 3
p Fort William	171	68	11th	51	16, 17	62·4	53·1	57·5	+ 1·2	7	1·49	38	+ 4
1. SCOTLAND, E.													
a Nairn	82	76	11th	46	12th	66·6	51·6	58·7	+ 2·9	4	0·28	7	− 8
p Gordon Castle	101	76	11th	49	17th	67·3	53·0	59·7	+ 3·8	4	0·32	8	− 11
a Aberdeen	46	73	11th	49	17th	68·1	53·1	60·2	+ 4·4	5	1·28	33	+ 16
a Balmoral	930	67	11th	42	17th	62·9	49·0	55·5	+ 2·4	3	0·09	2	− 17
p Crieff	432	70	11th	49	16, 17	64·6	51·6	57·7	+ 0·9	6	0·67	17	− 9
a Dundee	244	74	11th	46	13th	66·0	50·4	57·7	+ 0·9	6	0·26	7	− 14
a Leith	30	72	11th	52	16th	64·9	54·7	59·5	+ 1·6	4	0·21	5	− 13
p Edinburgh	441	71	11th	51	16th	65·9	55·0	60·1	+ 3·8	3	0·07	2	− 16
a West Linton	769	67	11, 12	49	13, 16	62·1	50·7	56·1	+ 2·6	4	0·36	9	—
p Marchmont	498	76	11th	47	16th	66·9	50·7	58·3	+ 2·6	4	0·46	12	− 8
6. a. SCOTLAND, W.													
a Ford (Argyll)	149	65	11, 12	49	12, 16	61·5	52·9	56·9	—	7	2·02	51	—
p Glasgow Observatory	180	69	11th	52	16th	63·0	54·4	58·4	+ 1·4	7	0·84	21	− 1
p Rothesay	200	66	11, 12	50	16th	62·6	52·6	57·3	+ 0·3	7	1·10	28	0
a Kilmarnock	90	71	11th	54	16th	66·9	55·1	60·7	+ 4·7	6	0·87	22	− 2
a Colmonell	170	69	11th	51	16th	65·4	54·6	59·7	+ 3·7	5	0·62	16	− 7
p Cally, Gatehouse	120	69	11, 12	45	16th	65·6	52·6	58·7	+ 2·8	4	1·04	26	0
p Dumfries	160	69	11th	47	16th	64·9	53·4	58·8	+ 1·0	4	0·47	12	− 10
a Eskdalemuir	794	68	11th	45	16th	62·7	50·3	56·1	—	6	1·15	29	—
b. I. OF MAN p Douglas	277	67	12th	48	16th	63·9	53·3	58·3	+ 1·2	4	0·25	6	− 16
2. ENGLAND, N.E. a North:													
a Alnwick Castle	210	75	11, 14	48	16th	70·3	51·6	60·4	+ 3·6	2	0·20	5	− 13
a Tynemouth	71	73	12, 14	50	16th	69·0	54·1	61·1	+ 3·8	4	0·24	6	− 10
p Durham	336	74	11th	45	16th	69·0	51·0	59·5	+ 2·1	4	0·14	4	− 10
p Rounton	249	75	11th	45	16th	69·9	51·6	60·2	+ 3·3	3	0·13	3	− 13
a West Witton	605	74	11th	44	16th	67·9	51·1	59·0	—	4	0·07	2	—
p Scarborough	100	73	13th	55	15th	69·4	57·3	63·0	+ 4·5	2	0·08	2	− 14
p York	56	77	11th	49	16th	70·6	54·3	62·0	+ 2·8	3	0·09	2	− 13
b. South:													
a Spurn Head	26	76	14th	54	16th	66·9	56·0	61·1	+ 1·7	3	0·33	8	− 4
a Lincoln	58	79	14th	48	16th	72·3	53·3	62·2	+ 2·4	0	0·00	0	− 14
a Fulbeck	180	78	14th	45	16th	72·6	52·0	61·7	+ 2·1	1	0·01	0·3	− 15
3. ENGLAND, E.													
p Cromer	196	77	14th	52	16th	70·4	54·3	61·9	+ 2·0	2	0·14	4	− 8
a Little Massingham	280	78	14th	48	16th	71·6	51·4	60·9	+ 1·1	1	0·01	0·2	− 16
a Yarmouth	13	75	14th	53	13, 16	69·4	55·4	62·0	+ 1·9	2	0·09	2	− 12
a Norwich	93	78	14th	50	16th	72·9	53·9	62·8	+ 2·4	1	0·02	1	− 12
a Geldeston	37	77	14th	47	16th	72·9	51·7	61·7	+ 1·6	0	0·00	0	− 12
p Cambridge	41	80	14th	44	16th	75·3	51·0	62·4	+ 1·7	0	0·00	0	− 13
a Clacton-on-Sea	54	73	15th	53	13, 16	69·1	55·6	62·0	+ 1·0	0	0·00	0	− 10
a Rothamsted	424	75	14th	48	16th	71·3	51·7	60·9	+ 1·4	1	0·01	0	− 14
p Tottenham	51	78	14th	51	16, 17	73·3	55·6	63·9	—	1	0·01	0	—
4. MIDLAND COUNTIES. a North:													
a Harrogate	479	73	11, 14	47	16th	67·7	52·0	59·4	+ 1·8	3	0·09	2	− 14
p Sheffield	429	75	11, 14	53	16th	69·3	54·9	61·7	—	2	0·05	1	—
p Buxton	987	73	14th	47	16th	66·6	51·9	58·8	—	3	0·34	9	− 15
b. East:													
a Bawtry	65	78	14th	47	16th	70·1	52·1	60·6	+ 1·1	1	0·03	1	− 12
a Nottingham	82	79	14th	46	16th	71·7	51·1	60·8	+ 1·2	2	0·08	2	− 12
p Birmingham, Edgbsn.	535	76	14th	49	16th	71·6	54·0	62·3	+ 2·9	1	0·05	1	− 14
a Raunds	203	81	14th	50	13, 15	75·3	52·6	63·3	+ 2·8	1	0·04	1	− 14
p Oxford	208	77	14th	49	16th	72·3	53·3	62·2	+ 1·5	1	0·01	0	− 13
c. West:													
a Cheadle (N. Staffs.)	646	77	14th	47	16th	70·7	51·9	60·7	+ 1·9	3	0·09	2	− 17
p Shrewsbury	191	79	14th	42	16th	73·1	50·3	61·0	+ 1·8	3	0·11	3	− 13
a Hereford	291	76	12th	41	13th	73·9	49·1	60·8	+ 1·1	0	0·00	0	− 14
a Clifton	229	77	14th	50	16th	72·0	54·9	62·9	+ 1·1	2	0·23	6	− 18
5. ENGLAND, S.E.													
a Marlborough	424	75	14th	43	13, 16	71·6	47·6	58·9	+ 0·5	1	0·07	2	− 13
p Salisbury (Wilton)	180	76	14th	47	16th	73·5	50·2	61·2	+ 0·9	1	0·02	1	− 15
a Wisley, Surrey	150	77	12, 14	45	16th	74·1	50·3	61·5	+ 0·9	1	0·05	1	− 11
a Tunbridge Wells	354	76	12th	48	16th	72·9	52·1	61·9	+ 1·5	1	0·02	1	− 13
a Margate	51	74	14th	57	11th	70·0	58·3	63·8	+ 1·9	1	0·01	0·3	− 11
a Dungeness	21	72	13th	55	13, 17	69·0	56·4	62·3	+ 1·0	0	0·00	0	− 11
p St. Leonards	178												
p Southampton	64	76	12, 13	50	16th	73·4	53·9	63·1	+ 1·0	0	0·00	0	− 15
a Ventnor	59	71	11–14, 16	56	13th	70·1	57·3	63·3	+ 1·2	0	0·08	0	− 12
LONDON.													
p Richmond (Kew Obs.)	18	76	14th	49	16th	73·1	53·3	62·6	+ 1·3	1	0·05	1	− 12
a Westminster	27	77	12, 14	53	11th	74·9	54·7	64·2	+ 2·0	1	0·04	1	− 12
ag Greenwich	149	78	12, 14	48	16th	75·6	52·4	63·3	+ 1·3	1	0·04	1	− 11
a Hampstead	450	75	12–14	53	13, 16, 17	72·3	54·6	62·9	—	1	0·04	1	—
ag Camden Square	110	80	12, 14	50	16th	76·1	53·9	64·3	+ 1·5	1	0·04	1	− 12
7. a. ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	71	11th	49	16th	63·4	52·3	57·5	0·0	3	0·81	21	− 2
p Newton Rigg	559	71	14th	47	16th	65·7	51·0	57·9	+ 1·3	3	0·44	11	− 8
p Stonyhurst	375	73	11th	49	16th	66·4	53·1	59·4	+ 1·8	3	0·64	16	− 11
p Blackpool	66	76	11th	51	14th	68·1	55·4	61·4	+ 2·8	4	0·25	6	− 13
a Southport	37	76	11th	53	14th	67·4	56·6	61·7	+ 2·9	3	0·08	2	− 16
a Liverpool (Bidston)	188	75	11th	54	14th	67·0	56·1	61·2	+ 1·9	3	0·16	4	− 12
a Hawarden Bridge	22	76	11th	52	11th	69·0	55·4	61·8	+ 1·7	2	0·04	1	− 14
p Manchester (Whit. Pk.)	125	77	11th	54	12, 15, 16	69·4	56·1	62·4	+ 2·7	1	0·06	1	− 17
b. NORTH WALES.													
p Llandudno	16	74	11th	52	14th	66·7	55·9	61·0	+ 1·3	2	0·07	2	− 14
a Holyhead	[illegible]	68	11, 12	53	11th	65·0	55·6	60·0	+ 1·4	3	0·16	4	− 13
a Beddgelert	309	70	11th	49	16th	65·1	53·6	59·0	—	4	0·41	10	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	4·3	+ 0·1	28	•	•	•	•	•	•
Stornoway	2·8	− 1·8	18	•	•	•	•	•	•
Castlebay	1·7	—	11	•	•	•	•	•	•
Fort Augustus	—	—	—	•	•	•	•	•	•
Nairn	4·9	—	32	•	•	•	•	•	•
Gordon Castle	5·1	—	34	•	•	•	•	•	•
Aberdeen	5·9	+ 1·0	39	0	42	•	•	55·5	+1·2
Balmoral	•	•	•	0	36	•	•	•	•
Crathes	5·4	+ 0·9	36	0	40	61·1	+2·8	57·6	+2·0
Dundee	5·5	—	37	0	38	60·4	•	•	•
Leith	•	•	•	0	49	•	•	•	•
Edinburgh	4·3	− 0·6	29	0	48	•	•	•	•
West Linton	2·6	—	17	0	43	•	•	•	•
Marchmont	4·4	− 0·4	29	•	•	•	•	•	•
Ford (Argyll)	•	•	•	0	41	61·2	•	57·6	•
Glasgow	2·3	− 2·0	15	0	44	•	•	•	•
Rothesay	2·4	—	16	0	47	59·9	•	56·8	+0·8
Kilmarnock	2·5	—	17	•	•	60·3	•	56·9	•
Colmonell	•	•	•	0	47	•	•	•	•
Dumfries	3·4	—	23	0	39	60·2	−0·6	57·0	−2·4
Eskdalemuir	2·4	—	16	0	41	•	•	•	•
Douglas	5·3	− 0·6	36	0	44	•	•	•	•
Cockle Park	7·4	+ 2·3	50	0	40	59·1	+1·3	56·1	+0·1
Durham	7·0	+ 2·2	47	0	39	•	•	•	•
Rounton	•	•	•	0	34	61·7	•	•	•
West Witton	•	•	•	0	39	60·4	•	56·0	•
Scarborough†	7·1	+ 1·8	48	•	•	•	•	51·5	•
York	5·6	+ 0·8	38	•	•	62·1	+2·1	58·4	+0·8
Spurn Head	5·5	—	37	•	•	•	•	•	•
Lincoln	•	•	•	0	43	63·3	+2·1	59·6	+1·3
Rauceby	7·0	+ 1·0	48	•	•	64·0	+1·3	58·6	+0·2
Skegness	7·2	+ 1·0	49	•	•	•	•	•	•
Cromer	8·0	+ 1·7	54	•	•	•	•	•	•
Lit. Massingham	8·8	+ 2·8	60	•	•	•	•	•	•
Yarmouth	8·8	—	60	0	47	65·1	+0·9	60·9	−0·5
Norwich	8·5	—	58	0	46	63·7	•	•	•
Geldeston	7·8	+ 1·5	53	•	•	•	•	•	•
Cambridge	8·4	+ 2·1	58	0	39	64·1	+1·2	60·1	−0·3
Clacton	8·7	+ 1·6	60	0	50	64·1	+2·2	60·9	+0·4
Rothamsted	8·4	+ 2·2	58	0	41	61·9	•	•	•
Tottenham	9·2	—	64	0	48	•	•	61·1	−0·7
Harrogate	6·9	+ 1·6	47	0	43	59·5	+1·9	57·9	+1·4
Sheffield	5·7	+ 0·5	39	0	43	62·5	+3·2	56·5	+0·4
Buxton	5·7	—	39	0	44	60·2	+1·3	56·6	+1·2
Worksop	4·0	− 0·8	27	0	36	61·6	•	58·5	•
Nottingham	5·8	+ 0·2	40	0	40	62·5	+1·6	60·1	+0·8
Birmingham	6·6	+ 1·8	45	0	34	59·5	+2·6	54·2	+0·4
Raunds	8·0	—	55	0	41	64·0	•	58·4	•
Oxford	8·3	+ 2·2	57	0	42	•	•	•	•
Cheadle	•	•	•	0	46	•	•	•	•
Shrewsbury	•	•	•	0	35	•	•	•	•
Malvern	8·5	—	58	0	43	63·1	•	60·8	•
Clifton	9·0	—	63	0	48	•	•	•	•
Worthing	10·5	+ 3·2	73	0	49	65·1	+1·1	60·6	−0·4
Marlborough	9·0	+ 3·2	63	0	39	63·3	•	58·6	•
Salisbury	•	•	•	0	44	65·2	•	•	•
Wisley	9·2	+ 2·7	64	0	34	63·4	+0·7	59·8	−0·5
Tunbridge Wells	8·6	+ 1·9	60	0	38	62·1	+0·5	59·3	•
Margate	8·0	+ 1·6	56	0	52	67·1	+4·4	63·2	+3·0
Folkestone	8·7	—	60	•	•	•	•	56·7	•
St. Leonards	9·7	+ 2·6	67	•			•		•
Southampton	9·2	+ 2·3	64	0	44	•	•	•	•
Ventnor	9·6	+ 2·7	67	•	•	•	•	•	•
Richmond	8·2	+ 1·9	57	0	37	64·2	+1·9	59·0	0·0
Westminster	8·5	+ 2·8	59	0	49	•	•	•	•
Greenwich	8·4	+ 1·5	58	0	35	•	•	•	•
Hampstead	8·4	—	58	0	47	•	•	•	•
Camden Square	7·0	+ 1·6	49	0	49	•	•	•	•
Aspatria	4·2	− 0·9	28	0	47	59·5	−0·1	56·8	+1·0
Newton Rigg	4·6	− 0·5	31	0	40	60·9	+1·0	57·0	+0·5
Stonyhurst	5·5	+ 0·5	37	0	42	•	•	•	•
Blackpool	5·5	− 0·5	37	0	39	61·7	•	56·8	•
Southport	6·2	+ 0·3	42	0	47	65·6	+2·6	63·0	+1·8
Hoylake	7·7	+ 2·1	52	•	•	•	•	•	•
Liverpool	6·1	—	41	0	48	•	•	•	•
Manchester (City)	4·9	+ 0·9	33	0	47	62·8	+1·7	61·0	+1·2
Whitworth Park	4·7	+ 0·5	32	•	•	•	•	•	•
Llandudno	5·7	− 0·2	39	•	•	•	•	•	•
Holyhead	7·0	—	48	0	51	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	F.	F.	F.			mm	mm		hr.	hr.	%		°	°F.	°F.	°F.	°F.
a Aberystwyth	59	73	11th	55	13, 14, 16	65·3	56·4	60·6	—	3	0·06	2	—	Aberystwyth ..	6·8	+ 1·1	47	*	*	*	*	*	*
a Rhayader	757	71	11th	43	16th	65·3	49·7	57·0	—	3	0·13	3	—	Rhayader ..	7·1	—	49	0	35	*	*	*	*
a St. Ann's Head	149	65	13th	54	11, 13, 16	63·1	56·1	59·4	+ 0·6	3	0·22	6	− 11	St. Ann's Head	7·0	+ 0·6	48	*	*	*	*	*	*
p Cardiff	202	74	14th	46	16th	69·6	52·3	60·4	+ 0·7	2	0·35	9	− 13	Cardiff	9·2	—	64	0	41	63·9	+1·8	59·2	−0·2
b. ENGLAND, S.W.																							
a Bath	66	76	11, 14	46	16th	71·9	51·7	61·2	+ 0·9	2	0·05	1	− 14	Bath	*	*	*	*	*	64·7	+0·3	61·7	0·0
a Shaftesbury	722	75	11th	50	11, 16, 17	70·6	52·1	60·8	+ 1·7	0	0·00	0	− 15	Shaftesbury ..	*	*	*	*	*	64·2	*	60·3	*
a Arlington	613	72	11, 14	46	16th	67·9	51·8	59·4	+ 1·2	3	0·50	13	− 14										
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	70	11th	44	16th	65·7	53·6	59·3	− 0·8	0	0·00	0	− 14	Newquay ..	8·8	+ 2·1	61	0	43	64·7	*	59·9	*
a Cullompton	202	78	14th	42	16th	73·9	50·0	61·2	+ 1·4	2	0·09	2	− 14	Cullompton ..	8·3	+ 2·3	58	0	35	64·1	*	*	*
a Portland Bill	19	68	11, 15	56	14, 16	66·6	57·4	61·7	+ 1·0	0	0·00	0	− 11	Weymouth ..	9·4	—	65	*	*	*	*	*	*
p Plymouth	116	72	15th	55	11th	69·9	58·1	63·7	+ 3·1	1	0·03	1	− 15	Plymouth ..	9·2	+ 2·6	64	*	*	65·7	+1·9	60·8	*
a Falmouth	167	70	14th	51	16th	68·1	54·4	60·8	+ 0·8	0	0·00	0·1	− 17	Falmouth ..	8·5	+ 1·5	59	0	45	66·0	*	62·8	*
9. IRELAND. N.																							
West .. *a* Malin Head	208	67	13th	52	16, 17	61·6	54·3	57·7	+ 0·7	6	1·39	35	+ 16	Malin Head ..	3·4	—	23	*	*	*	*	*	*
West .. *a* Blacksod Point ..	327	63	12th	53	16th	60·7	54·9	57·6	− 0·2	7	1·07	27	+ 3	Markree Castle	3·9	− 0·7	26	0	43	61·5	+0·8	58·0	+0·9
West .. *p* Markree Castle ..	122	71	13th	47	16th	66·0	52·7	59·0	+ 2·3	5	0·49	12	− 11										
b. East .. *p* Armagh	196	72	13th	49	16th	66·7	52·9	59·4	+ 2·0	4	0·54	14	− 5	Armagh	4·7	0·0	32	0	41	61·5	+0·5	57·8	−0·3
b. East .. *a* Donaghadee	101	71	13th	48	16th	66·0	53·1	59·2	+ 1·7	3	0·24	6	− 12										
10. IRELAND, S.																							
p Dublin, City	47	73	13th	53	15, 16	67·3	55·3	60·9	+ 1·6	4	0·18	5	− 12	Trinity Coll. ..	*	*	*	0	43	61·8	+0·8	58·8	+0·5
a Birr Castle	175	73	13th	48	16th	66·1	52·4	58·8	+ 1·0	4	0·39	10	− 11	Phœnix Park ..	5·0	− 0·5	34	0	39	*	*	*	*
a Kilkenny	212	73	13th	47	15th	67·6	52·0	59·3	+ 1·2	4	0·16	4	− 15	Dublin City ..	*	*	*	0	49	*	*	*	*
a Waterford	20	71	12th	50	13th	67·3	54·6	60·6	+ 1·5	1	0·06	2	− 19	Birr Castle ..	4·8	0·0	33	0	40	*	*	*	*
p Seskin, Carrick-on-Suir	541	70	12, 13	49	15th	67·0	52·3	59·2	—	3	0·16	4	—	Seskin	6·1	—	42	0	43	*	*	*	*
a Cahir	199	72	13th	48	13th	67·9	52·6	59·8	+ 1·4	4	0·30	8											
a Foynes	50	74	13	52	16	66·4	55·3	60·5	+2·1	4	0·31	8	−14										
a Cahirciveen (Val. Obs.)	30	66	13th	53	13th	63·9	56·3	59·9	+ 1·2	5	0·89	23	− 3	Cahirciveen ..	4·0	− 1·3	27	0	48	*	*	*	*
a Killarney	174	72	13th	52	13th	68·1	55·8	61·6	+ 2·7	5	0·61	15	− 9	Ballinacurra ..	4·4	− 0·9	31	*	*	*	*	*	*
a Roche's Point	32	69	12th	50	13th	65·6	53·1	59·0	+ 0·1	5	0·20	5	− 16										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	67	13, 14, 17	53	17th	66·3	55·3	60·5	− 0·4	1	0·05	1	− 13	Scilly	7·4	+ 0·1	51	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	77	14th	52	16th	72·0	56·7	63·9	+ 1·0	1	0·02	0·4	− 13	St. Heliers ..	11·7	+ 3·8	82	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	76	14th	53	16th	72·1	56·2	63·7	+ 1·3	1	0·02	0·4	− 13	Guernsey† ..	11·6	+ 3·6	81	0	46	66·2	+1·8	62·6	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 17th, 1918.

District and Station.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	Mid Time. hr.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	14, 15	25	41	81	12	6	259	17	15	4	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	15	14	12	20
Aberdeen	153	105	52	—	—	—	—	25	102	41	0	203	9	14	13	18	14	12	25
Edinburgh	485	39	31	—	—	14, 15	24	87	50	7	0	191	14	14	9	22	14	22	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	14	10	69	73	16	0	215	14	14	15	22	14	15	25
Paisley	188	81	15	—	—	14	5	28	114	21	0	293	12	14	24	23	14	15	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	4	94	66	4	236	6	14	18	13	15	12	40
South Shields	72	61	12	—	—	—	—	46	83	39	0	293	10	15	15	17	14	14	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	17	139	12	0	169	8	14	14	—	—	—	—
Gorleston	52	42	‡	—	—	14	5	67	76	20	0	169	12	14	14	15	14	13	25
Shoeburyness	103	90	‡	—	—	—	—	37	117	14	0	214	9	14	16	15	17	23	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	16	68	84	0	203	7	14	16	13	17	7	25
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	8	129	31	0	—	8	14	11	15	14	11	10
Brighton	261	53	6	—	—	—	—	19	115	34	0	—	10	17	14	16	17	13	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	41	101	26	0	315	9	17	13	16	17	13	25
Butler's Cross, S'y Plain	550	43	‡	—	—	17	1	56	109	1	1	248	11	17	9	15	17	9	5
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	3	66	99	0	203	6	14	15	11	17	15	35
S. Kensington	123	92	30	—	—	—	—	—	99	72	0	270	5	17	16	9	17	15	45
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	+18	−75	−76	+0	−259	+7	+15	+14	+12	+14	+16	+0
Fleetwood (Cup Anr.) ..	109	44	—	—	—	14, 15, 17	12	80	60	16	0	281	13	15	2	—	—	—	—
Southport	80	62	48	—	—	14 to 16	24	84	51	9	0	259	14	17	24	19	14	18	15
Holyhead	60	40	‡	—	—	17	2	105	60	1	0	270	12	17	23	16	14	8	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	17	6	35	92	35	0	203	12	17	15	16	17	15	15
Plymouth	185	88	2	—	—	—	—	1	85	74	8	—	6	17	13	9	17	12	50
Lyme Regis	556	61	‡	—	—	—	—	20	48	100	0	—	7	17	10	12	17	12	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	14	1	89	75	3	0	236	11	14	14	—	—	—	—
Quilty	100	40	‡	—	—	11, 13	2	114	34	3	15	—	11	13	11	17	13	9	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	13, 14	6	61	94	7	0	180	12	13	14	17	11	1	0
Weaver Pt.	160	30	‡	—	—	—	—	69	84	15	0	—	10	14	4	15	17	12	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	+33	+94	+38	+3	+293	−9	+17	+20	+16	+17	+19	+40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
* Above tops of trees.
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-THIRD WEEK of 1918—August 11th to August 17th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	45	88·9	84·1	86·4	+ 0·8	99	+ 10	0	0	7	+ 2	1·30	33	+ 10	3·6	−0·5	23	1011
Eastern.																			
1. SCOTLAND, EAST ...	76	42	91·6	84·0	87·6	+ 1·4	113	+ 17	0	0	4	0	0·46	12	− 7	5·1	+0·3	34	1013
2. ENGLAND, N.E.	79	45	94·1	84·9	89·2	+ 1·6	134	+ 20	0	0	2	− 2	0·14	3	− 12	6·9	+1·6	46	1018
3. ENGLAND, EAST ...	80	44	95·1	84·9	89·7	+ 1·0	141	+ 13	0	0	1	− 2	0·03	1	− 11	8·5	+2·3	58	1020
4. MIDLAND COUNTIES ...	81	41	95·1	84·2	89·3	+ 1·1	136	+ 15	0	0	2	− 1	0·07	2	− 12	6·6	+1·1	45	1020
5. ENGLAND, S.E.	77	43	95·2	84·8	89·7	+ 0·5	141	+ 7	0	0	1	− 2	0·02	1	− 12	9·1	+2·3	63	1020
Western.																			
6. SCOTLAND, WEST ...	71	45	90·9	85·0	87·8	+ 1·0	116	+ 11	0	0	6	+ 2	0·90	23	− 2	3·8	−1·3	25	1016
7. ENGLAND, N.W.	77	47	92·3	85·6	88·7	+ 1·0	128	+ 13	0	0	3	− 1	0·28	7	− 12	5·6	+0·3	38	1019
8. ENGLAND, S.W.	78	42	93·4	84·9	88·9	+ 0·6	130	+ 7	0	0	2	− 2	0·14	4	− 14	8·1	+1·9	57	1021
9. IRELAND, NORTH ...	73	47	91·1	84·9	87·8	+ 0·7	116	+ 9	0	0	5	0	0·69	17	− 4	4·3	−0·4	29	1016
10. IRELAND, SOUTH ...	73	47	92·3	85·2	88·6	+ 0·8	126	+ 10	0	0	4	0	0·35	9	− 12	4·6	−0·7	31	1020
11. ENGLISH CHANNEL ...	77	52	94·2	86·4	90·1	+ 0·5	145	+ 6	0	0	1	− 3	0·03	1	− 13	10·2	+2·5	72	1022

THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, June 2nd to August 17th, 1918.

0. SCOTLAND, NORTH ...	77	27	88·2	82·0	84·9	− 0·4	878	− 56	0	− 1	50	+ 3	9·43	240	+ 33	4·4	0·0	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	90·2	81·7	85·7	− 0·4	985	− 57	0	0	41	0	6·47	166	− 4	5·7	+0·4	34	1013
2. ENGLAND, N.E.	80	35	91·8	83·0	87·1	− 0·1	1186	− 3	0	0	34	− 2	5·04	128	− 20	6·4	+0·5	39	1014
3. ENGLAND, EAST ...	81	34	92·7	83·2	87·7	− 0·5	1264	− 72	0	0	32	− 2	5·70	146	+ 11	7·0	+0·4	44	1015
4. MIDLAND COUNTIES ...	82	35	93·0	82·9	87·6	− 0·3	1254	− 36	0	0	36	+ 2	5·22	134	− 13	6·2	+0·3	39	1015
5. ENGLAND, S.E.	82	32	92·9	83·7	88·0	− 0·6	1307	− 82	0	0	33	+ 1	6·56	166	+ 38	7·2	+0·2	46	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·7	82·8	86·5	− 0·1	1095	− 25	0	0	46	+ 4	7·28	185	− 31	5·9	+0·1	36	1014
7. ENGLAND, N.W.	81	36	91·0	83·6	87·0	− 0·4	1177	− 43	0	0	39	0	6·67	169	− 15	6·2	+0·2	38	1015
8. ENGLAND, S.W.	81	32	91·7	83·7	87·4	− 0·4	1230	− 58	0	0	35	− 3	7·17	182	+ 6	7·5	+1·0	47	1017
9. IRELAND, NORTH ...	80	36	90·3	83·2	86·5	− 0·1	1098	− 23	0	0	47	− 1	6·63	167	− 33	5·1	+0·2	31	1014
10. IRELAND, SOUTH ...	84	36	91·7	83·6	87·4	− 0·1	1225	− 22	0	0	44	+ 3	7·61	194	− 2	6·1	+0·6	38	1016
11. ENGLISH CHANNEL ...	82	44	91·9	85·2	88·3	− 0·3	1357	− 42	0	0	33	− 3	5·38	138	+ 4	9·0	+1·2	58	1018

THE YEAR 1918.—Aggregates, &c., for the Period of 33 Weeks, December 30th, 1917, to August 17th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·9	77·8	80·7	+ 0·2	1400	+ 24	514	− 25	144	− 7	28·31	716	− 21	3·5	−0·1	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·8	77·2	80·8	0·0	1544	− 12	617	0	122	− 7	16·64	422	− 41	4·1	−0·1	30	1014
2. ENGLAND, N.E.	83	9	85·8	78·6	82·1	+ 0·5	1876	+114	394	− 78	109	− 7	13·37	339	− 31	4·5	−0·1	34	1016
3. ENGLAND, EAST ...	81	14	86·5	78·5	82·3	+ 0·1	2015	− 19	411	− 83	101	−11	14·68	375	+ 24	5·1	+0·1	38	1016
4. MIDLAND COUNTIES ...	84	12	87·0	78·5	82·6	+ 0·5	2090	+ 78	402	−120	104	− 7	14·93	380	− 15	4·4	0·0	33	1016
5. ENGLAND, S.E.	83	15	87·0	79·1	82·9	+ 0·1	2149	− 8	353	− 26	101	− 7	16·33	414	+ 37	5·2	0·0	40	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·6	78·5	81·9	+ 0·3	1787	+ 77	374	− 42	129	− 7	24·11	613	− 60	4·3	−0·1	32	1015
7. ENGLAND, N.W.	84	12	86·0	79·3	82·5	+ 0·4	1957	+112	280	−102	112	−10	18·04	459	− 44	4·7	+0·2	35	1016
8. ENGLAND, S.W.	82	16	86·5	79·5	83·0	+ 0·3	2080	+ 44	256	− 45	107	−14	19·77	504	− 36	5·3	+0·4	41	1017
9. IRELAND, NORTH ...	80	18	85·8	79·2	82·3	+ 0·3	1885	+111	277	− 63	134	−15	19·27	488	− 77	4·1	+0·1	31	1014
10. IRELAND, SOUTH ...	84	19	86·9	79·8	83·2	+ 0·4	2173	+114	217	− 43	130	− 1	22·99	583	− 9	4·7	+0·2	36	1016
11. ENGLISH CHANNEL ...	82	26	86·9	81·2	83·9	0·0	2347	+ 25	91	− 14	108	−17	14·52	370	− 69	6·4	+0·5	49	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: August 22nd, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON
AKS
30.8.18

FOR OFFICIAL USE

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 34.

THE THIRTY-FOURTH WEEK OF 1918.

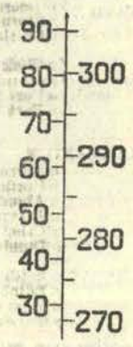
SUNDAY, AUGUST 18TH, TO SATURDAY, AUGUST 24TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

An anticyclone which lay over the Bay of Biscay and France till quite the end of the week was the governing factor of the weather over all our southern districts, where it was mostly fine, dry and very hot. Further north, in the region of passing depressions, it was cooler and less settled with rain on five or six days. The prevailing winds were chiefly south-westerly; they were mostly light or moderate in force, but gusts of gale force were reported from several Scottish stations on the 22nd and 23rd. The mean temperature was equal to the normal in Scotland North, above it elsewhere, the excess being about 1 a. in Scotland East, increasing to 3 a. over the eastern and midland parts of England. The warmest spell was in the middle of the week, the minima of Wednesday night being very high, 292 a. at Norwich and at Margate, while during Thursday maxima of 305 a. or 306 a. were registered at many places in eastern and south-eastern England. The minimum of 292 a. at Norwich is the highest on record for that Station, while the maximum of 306 a. is the highest since 9th August, 1911. Rainfall was very heavy in Scotland North, individual falls of 20mm. or more being recorded at Glencarron on the 21st and 23rd and Fort Augustus on the 22nd. Rainfall was equal to the normal in Scotland East, but in all other districts it was below it. In Snowdonia the fall was locally heavy, Beddgelert having 35mm. on the 23rd. Bright sunshine was more than the normal over England, except in the south-western counties, where it was less, it was also less in Scotland and Ireland. Heavy dews and local morning mists and sea fogs were reported in various localities on different days. Thunder was heard in the east of Scotland on the 18th and again on the 21st.

Solar halos were observed at Birmingham on the 18th and 19th and at Worksop on the 23rd, while at Gorleston on the 23rd a lunar halo was seen.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	3·2	19	3·2	13	2·6	15	2·3	18	6·0	11	3·2	22	4·4	23	3·9
North	10	2·2	1	2·2	14	2·3	8	1·8	5	1·6	13	2·7	0	—	4	2·2
West	17	5·4	25	6·0	20	3·3	21	2·5	27	4·5	22	3·7	20	6·2	17	3·1
East	5	4·7	0	—	6	2·3	3	1·1	0	—	4	2·5	3	3·7	6	1·1
Calm	4	—	2	—	1	—	4	—	1	—	—	—	1	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very heavy	Moderate	Very light	Very light	Very light	Very light	Moderate	Light	Light	Light	Very light	Very light
	Sunshine ...	Moderate	Scanty	Very abundant	Abundant	Abundant	Moderate	Scanty	Abundant	Moderate	Scanty	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER, 12 weeks from June 2nd, 1918.	Warmth ...	3, 5, 4	3, 4, 5	5, 4, 3	3, 6, 3	5, 4, 3	2, 6, 4	6, 2, 4	6, 2, 4	4, 4, 4	6, 2, 4	4, 4, 4	4, 4 4
	Rainfall ...	6, 2, 4	2, 4, 6	2, 3, 7	4, 3, 5	3, 3, 6	3, 4, 5	2, 7, 3	2, 5, 5	4, 3, 5	0, 8, 4	4, 4, 4	3, 4, 5
	Sunshine ...	4, 4, 4	3, 7, 2	3, 8, 1	4, 7, 1	5, 5, 2	4, 7, 1	4, 2, 6	5, 3, 4	7, 2, 3	3, 6, 3	4, 6, 2	6, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(19022—19.) Wt. 199—789. 625. 8/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

District	Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air (In Degrees Fahrenheit): Highest	Date	Lowest	Date	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean	Deviation from Normal	Rainfall: No. of Rain-Days	Rainfall in the Week		Deviation from Normal
		Ft.	°F.		°F.		°F.	°F.	°F	°F		in.	mm.	mm.
0. SCOTLAND, N.														
a, Islands	a Lerwick	54	57	18th	43	23rd	54·3	46·4	50·1	- 2·3	6	1·97	50	+ 34
	p Deerness	160	60	20, 21	45	23rd	58·1	49·6	53·6	—	7	1·77	45	+ 29
	a Stornoway	31	61	20th	48	23, 24	59·1	50·6	54·6	+ 0·6	7	3·58	91	+ 69
	a Castlebay, Barra Isd.	37	59	18, 20, 22	50	23rd	58·3	53·6	55·8	—	7	1·67	42	—
b, Mainland	a Wick	81	64	20th	48	23rd	61·1	50·0	55·2	+ 1·3	7	1·18	30	+ 15
	p Glencarron	500	63	22nd	47	23rd	58·1	51·4	54·6	+ 0·7	7	3·95	100	+ 61
	a Fort Augustus	68	63	22nd	49	20th	61·0	48·1	54·2	+ 1·3	4	1·54	39	+ 20
	p Fort William	171	67	21st	50	23rd	63·4	51·7	57·2	+ 1·2	7	2·33	59	+ 25
1. SCOTLAND, E.														
	a Nairn	82	67	20th	48	23rd	63·0	50·7	56·5	+ 0·9	7	0·69	18	+ 4
	p Gordon Castle	101	69	20th	48	23rd	64·3	51·7	57·6	+ 1·8	6	0·65	17	- 1
	a Aberdeen	46	71	20th	49	23rd	65·6	52·1	58·5	+ 2·8	5	0·56	14	- 1
	a Balmoral	930	67	20th	45	21st	61·6	47·9	54·3	+ 1·4	4	0·34	9	- 8
	p Crieff	432	68	20th	45	23rd	64·1	49·4	56·3	- 0·3	5	0·53	13	- 10
	a Dundee	244	71	20th	43	24th	66·6	48·4	57·0	+ 0·4	3	0·72	18	0
	a Leith	30	70	22nd	49	23rd	64·9	53·1	58·7	+ 1·0	3	0·83	21	+ 6
	p Edinburgh	441	69	20th	48	23rd	64·7	52·0	58·0	+ 1·9	3	0·61	16	+ 1
	a West Linton	769	64	20th	43	23rd	61·3	49·4	55·0	+ 1·8	4	1·22	31	—
	p Marchmont	498	71	20th	45	24th	67·3	49·6	57·9	+ 2·4	3	0·38	10	- 8
6. a. SCOTLAND, W.														
	a Ford (Argyll)	149	66	20th	46	21st	62·6	51·4	56·7	—	6	1·65	42	—
	p Glasgow Observatory	180	68	22nd	50	23rd	62·7	52·6	57·4	+ 1·1	6	0·82	21	- 2
	p Rothesay	200	65	22nd	48	23rd	62·4	50·6	56·2	- 0·2	7	1·44	37	+ 8
	a Kilmarnock	90	70	22nd	48	23rd	66·0	53·1	59·2	+ 3·8	5	0·72	18	- 7
	a Colmonell	170	72	20th	48	23rd	66·1	53·3	59·3	+ 3·8	5	0·39	10	- 14
	p Cally. Gatehouse	120	66	22, 24	45	24th	65·0	52·0	58·1	+ 2·8	4	0·94	24	- 3
	p Dumfries	160	70	20th	46	23, 24	65·0	51·4	57·8	+ 0·7	3	0·67	17	- 5
	a Eskdalemuir	794	65	20th	38	24th	61·6	49·1	55·0	—	6	1·07	27	—
b. I. OF MAN	p Douglas	277	69	20th	49	23rd	63·7	53·7	58·4	+ 1·8	3	0·24	6	- 17
2. ENGLAND, N.E.														
a North	a Alnwick Castle	210	74	22nd	47	23, 24	71·0	53·3	61·6	+ 5·2	2	0·19	5	- 16
	a Tynemouth	71	76	20th	48	24th	70·1	54·6	61·9	+ 5·0	1	0·12	3	- 15
	p Durham	336	75	20th	40	24th	70·7	52·0	60·8	+ 3·8	1	0·10	3	- 13
	p Rounton	249	78	22nd	44	24th	71·3	52·9	61·6	+ 5·1	2	0·16	4	- 14
	a West Witton	605	77	21st	42	24th	70·0	52·9	60·9	—	2	0·14	4	—
	p Scarborough	100	78	20th	53	23rd	71·4	58·6	64·6	+ 6·3	0	0·00	0	- 18
	p York	56	81	21, 22	45	24th	73·4	55·1	63·7	+ 5·0	1	0·11	3	- 13
b, South	a Spurn Head	26	83	22nd	51	23rd	70·7	56·9	63·4	+ 4·3	1	0·12	3	- 11
	a Lincoln	58	81	22nd	48	24th	73·7	55·9	64·3	+ 5·0	0	0·00	0	- 16
	a Fulbeck	180	84	21, 22	45	24th	75·4	55·4	64·8	+ 5·6	0	0·00	0	- 17
3. ENGLAND, E.														
	p Cromer	196	89	22nd	52	24th	73·6	56·9	64·8	+ 5·2	1	0·02	1	- 12
	a Little Massingham	280	88	22nd	46	24th	74·4	53·7	63·4	+ 4·2	0	0·00	0	- 18
	a Yarmouth	13	89	22nd	53	19th	74·0	57·4	65·2	+ 5·5	2	0·07	2	- 14
	a Norwich	93	91	22nd	52	19th	75·4	58·0	66·2	+ 6·4	1	0·08	2	- 14
	a Geldeston	37	90	22nd	51	19th	76·0	56·3	65·6	+ 6·0	1	0·06	2	- 12
	p Cambridge	41	92	22nd	49	24th	78·7	57·4	67·4	+ 7·3	1	0·02	1	- 14
	a Clacton-on-Sea	54	80	22nd	52	19th	72·3	57·1	64·2	+ 3·7	1	0·04	1	- 11
	a Rothamsted	424	86	22nd	49	24th	73·6	56·3	64·4	+ 5·5	2	0·05	1	- 15
	p Tottenham	51	88	22nd	54	19, 24	77·3	58·9	67·6	—	1	0·05	1	—
4. MIDLAND COUNTIES.														
a North	a Harrogate	479	7-	21st	45	24th	70·0	53·1	61·0	+ 4·1	2	0·15	4	- 14
	p Sheffield	429	81	21st	50	24th	71·4	56·6	63·6	—	0	0·00	—	—
	p Buxton	987	77	21st	47	24th	68·7	53·9	60·9	—	4	0·16	4	- 25
b, East	a Bawtry	65	83	21st	45	24th	73·7	56·7	64·7	+ 5·9	1	0·01	0	- 15
	a Nottingham	82	84	21, 22	47	24th	75·6	55·3	64·8	+ 5·9	0	0·00	0	- 16
	p Birmingham, Edgbsn.	535	81	21, 22	50	24th	74·0	56·0	64·5	+ 5·8	1	0·01	0·3	- 17
	a Raunds	203	89	22nd	43	24th	77·6	55·3	65·8	+ 6·0	0	0·00	0	- 17
	p Oxford	208	84	22nd	43	24th	73·3	55·7	64·0	+ 4·0	2	0·03	1	- 14
c, West	a Cheadle (N. Staffs.)	646	81	21st	47	24th	75·0	54·0	63·9	+ 6·7	2	0·02	1	- 21
	p Tenbury	313	80	21, 22	42	24th	73·9	54·0	63·4	+ 5·4	1	0·09	2	- 16
	a Hereford	291	80	20th	42	24th	74·4	54·1	63·6	+ 4·6	1	0·03	1	- 15
	a Clifton	229	80	21st	49	24th	71·1	57·6	64·0	+ 2·9	2	0·15	4	- 24
5. ENGLAND, S.E.														
	a Marlborough	424	81	22nd	38	24th	71·0	52·7	61·3	+ 3·6	2	0·06	2	- 15
	p Salisbury (Wilton)	180	83	22nd	43	24th	73·4	54·1	63·2	+ 3·6	1	0·03	1	- 16
	a Wisley, Surrey	150	88	22nd	50	19th	75·6	55·9	65·2	+ 5·4	1	0·05	1	- 13
	a Tunbridge Wells	354	85	22nd	49	19th	74·6	56·0	64·7	+ 4·9	1	0·12	3	- 12
	a Margate	51	90	22nd	56	19th	74·0	60·1	66·6	+ 5·2	0	0·00	0	- 13
	a Dungeness	21	74	22nd	50	19th	68·4	56·1	61·9	+ 1·1	1	0·12	3	- 10
	p St. Leonards	178												
	p Southampton	64	82	22nd	51	24th	71·9	57·0	64·0	+ 2·5	1	0·03	1	- 16
	a Ventnor	59	77	22nd	55	24th	69·6	58·1	63·5	+ 1·8	2	0·07	2	- 12
LONDON.	p Richmond (Kew Obs.)	18	85	22nd	52	19th	74·3	57·7	65·5	+ 5·0	1	0·03	1	- 13
	a Westminster	27	88	22nd	53	19th	76·1	58·1	66·6	+ 5·1	1	0·04	1	- 13
	ag Greenwich	149	90	22nd	52	19, 24	77·7	57·4	66·9	+ 5·8	1	0·05	1	- 11
	a Hampstead	450	86	22nd	51	19th	75·0	56·4	65·1	—	1	0·05	1	—
	ag Camden Square	110	90	22nd	52	19th	78·7	57·9	67·7	+ 5·7	1	0·06	2	- 12
7. a. ENGLAND, N.W.														
	p Aspatria (Mealsgate)	487	71	21st	48	23, 24	64·1	52·9	58·2	+ 1·1	3	0·31	8	- 20
	p Newton Rigg	559	71	21st	40	24th	66·0	50·7	57·9	+ 1·8	4	0·44	11	- 12
	p Stonyhurst	375	77	20th	44	24th	67·9	53·1	60·1	+ 2·9	4	0·96	25	- 8
	p Blackpool	66	77	21st	45	24th	68·9	56·7	62·4	+ 4·2	1	0·12	3	- 21
	a Southport	37	80	21st	45	24th	69·4	56·4	62·5	+ 4·1	2	0·43	11	- 12
	a Liverpool (Bidston)	188	82	21st	52	24th	70·0	56·6	62·9	+ 4·0	1	0·24	6	- 14
	a Hawarden Bridge	22	84	21st	46	24th	72·9	57·1	64·5	+ 4·9	1	0·10	3	- 15
	p Manchester (Whit. Pk.)	126	80	21, 22	55	23rd	72·0	57·7	64·4	+ 5·1	4	0·89	23	+ 11
b. NORTH WALES.														
	p Llandudno	16	78	21st	46	24th	69·1	56·1	62·2	+ 2·8	2	0·30	8	- 12
	a Holyhead	15	71	21st	52	24th	66·0	55·0	60·2	+ 1·8	3	0·12	3	- 18
	a Beddgelert	309	73	21st	43	24th	65·3	54·4	59·5	—	4	1·83	46	—
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground	Bright Sunshine (Hours per Day): Daily Mean	Deviation from Normal	Percentage of possible duration	Ground Temperature: Grass Min.: Ground Frosts	Lowest Reading	Earth 1 ft.: Mean	Deviation from Average	Earth 4 ft: Mean	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	3·1	- 0·8	21	•	•	•	•	•	•
Stornoway	2·9	- 1·4	20	•	•	•	•	•	•
Castlebay	1·2	—	8	•	•	•	•	•	•
Fort Augustus	—	—	—	•	•	•	•	•	•
Nairn	2·1	—	14	•	•	•	•	•	•
Gordon Castle	2·4	—	16	•	•	•	•	•	•
Aberdeen	2·9	- 1·9	20	0	42	•	•	55·6	+1·4
Balmoral	•	•	•	0	41	•	•	•	•
Crathes	2·3	- 2·1	16	0	38	59·7	+2·2	57·6	+2·0
Dundee	4·9	—	34	0	37	58·3	•	•	•
Leith	•	•	•	0	40	•	•	•	•
Edinburgh	4·6	- 0·1	32	0	44	•	•	•	•
West Linton	3·1	—	22	0	37	•	•	•	•
Marchmont	5·8	+ 1·1	40	•	•	•	•	•	•
Ford (Argyll)	•	•	•	0	36	60·3	•	57·6	•
Glasgow	2·7	- 1·2	19	0	40	•	•	•	•
Rothesay	2·6	—	18	0	42	58·7	•	56·7	+0·8
Kilmarnock	2·6	—	18	•	•	58·6	•	56·4	•
Colmonell	•	•	•	0	43	•	•	•	•
Dumfries	4·1	—	28	0	36	59·5	-0·4	57·0	-2·3
Eskdalemuir	2·8	—	19	0	34	•	•	•	•
Douglas	5·3	- 0·2	37	0	46	•	•	•	•
Cockle Park	8·9	+ 4·2	62	0	37	58·5	+2·1	56·1	+0·5
Durham	8·1	+ 3·7	56	0	33	•	•	•	•
Rounton	•	•	•	0	35	61·7	•	•	•
West Witton	•	•	•	0	38	60·7	•	55·8	•
Scarborough†	8·6	+ 3·7	60	•	•	•	•	51·5	•
York	6·7	+ 2·2	47	•	•	61·9	+2·4	58·6	+1·0
Spurn Head	6·0	—	42	•	•	•	•	•	•
Lincoln	•	•	•	0	43	63·6	+3·2	59·7	+1·5
Rauceby	8·2	+ 2·7	57	•	•	64·5	+2·7	59·0	+0·6
Skegness	7·9	+ 2·2	55	•	•	•	•	•	•
Cromer	7·6	+ 2·0	54	•	•	•	•	•	•
Lit. Massingham	8·1	+ 2·8	57	•	•	•	•	•	•
Yarmouth	8·3	—	59	0	50	65·6	+2·4	61·1	-0·2
Norwich	7·4	—	52	0	48	64·3	•	•	•
Geldeston	7·1	+ 1·5	50	•	•	•	•	•	•
Cambridge	7·3	+ 1·7	52	0	43	64·7	+2·7	60·5	+0·2
Clacton	8·4	+ 2·0	60	0	49	64·2	+2·8	61·5	+1·2
Rothamsted	7·8	+ 2·1	54	0	40	62·6	•	•	•
Tottenham	8·7	—	62	0	51	•	•	61·8	0·0
Harrogate	8·1	+ 3·1	57	0	42	59·3	+2·2	57·7	+1·4
Sheffield	7·5	+ 2·7	52	0	40	61·4	+2·8	56·9	+0·8
Buxton	7·5	—	52	0	43	60·5	+2·3	57·0	+1·4
Worksop	7·3	+ 2·8	51	0	38	61·7	•	58·2	•
Nottingham	7·4	+ 2·3	52	0	42	62·5	+2·8	60·2	+1·0
Birmingham	6·9	+ 2·5	49	0	41	60·8	+4·2	55·0	+1·2
Raunds	7·6	—	54	0	36	64·6	•	58·8	•
Oxford	6·8	+ 1·1	48	0	38	•	•	•	•
Cheadle	•	•	•	0	42	•	•	•	•
Shrewsbury	8·4	•	60	0	39	63·3	•	•	•
Malvern	7·7	—	55	0	40	63·4	•	61·1	•
Clifton	5·7	—	40	0	48	•	•	•	•
Worthing	6·5	- 0·2	46	0	48	65·0	+1·8	61·2	+0·2
Marlborough	6·1	+ 0·8	43	0	34	62·7	•	58·9	•
Salisbury	•	•	•	0	41	65·8	•	•	•
Wisley	7·9	+ 2·0	56	0	38	63·2	+1·4	59·8	-0·4
Tunbridge Wells	7·7	+ 1·5	55	0	38	62·9	-0·2	59·6	•
Margate	7·9	+ 2·0	56	0	52	67·4	+5·1	64·0	+3·7
Folkestone	6·7	—	48	•	•	•	•	57·1	•
St. Leonards	8·1	+ 1·6	58	•	•	•	•	•	•
Southampton	7·2	+ 0·9	54	0	44	•	•	•	•
Ventnor	5·6	- 0·8	40	•	•	•	•	•	•
Richmond	8·2	+ 2·5	58	0	39	64·0	+2·5	59·4	+0·4
Westminster	8·2	+ 3·1	58	0	?48	•	•	•	•
Greenwich	8·5	+ 2·0	60	0	43	•	•	•	•
Hampstead	8·0	—	57	—	—	•	•	•	•
Camden Square	7·4	+ 2·5	52	0	48	•	•	•	•
Aspatria	4·9	0·0	34	0	43	58·7	-0·4	56·2	+0·4
Newton Rigg	6·4	+ 1·6	44	0	38	60·3	+1·4	56·9	+0·5
Stonyhurst	6·5	+ 1·8	45	0	37	•	•	•	•
Blackpool	7·6	+ 2·0	53	0	?35	62·5	•	57·1	•
Southport	8·4	+ 3·0	59	0	36	65·3	+3·4	63·0	+2·1
Hoylake	7·2	+ 2·0	50	•	•	•	•	•	•
Liverpool	7·8	—	55	0	48	•	•	•	•
Manchester (City)	5·3	+ 1·5	37	0	41	63·0	+2·9	61·2	+1·3
Whitworth Park	4·5	+ 0·5	31	•	•	•	•	•	•
Llandudno	9·5	+ 4·0	66	•	•	•	•	•	•
Holyhead	7·1	—	50	0	40	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	78	21st	50	24th	68·7	56·7	62·3	—	2	0·07	2	Aberystwyth ..	6·3	+ 0·8	45	•	•	•	•	•	•
a Rhayader	757	77	21st	41	24th	67·9	52·6	59·8	—	2	0·28	7	Rhayader ..	6·5	—	46	0	31	•	•	•	•
a St. Ann's Head	149	66	21st	50	24th	63·4	53·4	58·1	- 0·7	4	0·16	4	St. Ann's Head	4·8	- 1·2	34	•	•	•	•	•	•
p Cardiff	202	78	21st	48	24th	68·6	55·6	61·7	+ 2·1	3	0·80	20	- 7	Cardiff	6·8	—	48	0	43	63·6	+2·2	59·9	+0·5
b, ENGLAND, S.W.																						
a Bath	66	81	21, 22	43	24th	71·6	55·9	63·3	+ 3·5	1	0·04	1	- 17	Bath	•	•	•	•	•	65·1	+1·9	62·0	+0·3
a Shaftesbury	722	76	21st	50	24th	68·0	55·0	61·1	+ 2·3	1	0·04	1	- 18	Shaftesbury ..	•	•	•	•	•	63·9	•	61·0	•
a Arlington	613	77	21st	45	24th	68·1	55·3	61·3	+ 3·4	4	0·61	15	- 18										
a Hartland Quay ..	100	78	21st	50	24th	65·6	59·1	62·2	—	3	0·20	5	—										
a Newquay	190	77	21st	45	24th	67·6	56·0	61·5	+ 1·6	3	0·15	4	- 14	Newquay ..	5·7	- 0·6	41	0	44	64·5	•	60·2	•
a Cullompton	202	80	22nd	42	24th	72·6	54·6	63·1	+ 3·7	3	0·19	5	- 14	Cullompton ..	5·7	+ 0·1	41	0	35	64·0	•	•	•
a Portland Bill	19	65	18, 21, 24	52	24th	64·0	57·0	60·3	- 0·3	1	0·01	0·2	- 14	Weymouth ..	5·5	—	39	•	•	•	•	•	•
p Plymouth	116	75	21st	50	24th	68·3	57·6	62·6	+ 2·3	3	0·26	7	- 12	Plymouth ..	6·1	- 0·1	44	•	•	65·5	+2·6	61·1	•
a Falmouth	167	72	20th	47	24th	68·6	56·1	62·0	+ 2·2	4	0·20	5	- 17	Falmouth ..	4·9	- 1·7	35	0	39	65·7	•	63·1	•
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	63	20, 22	52	23, 24	61·1	53·4	57·0	+ 0·5	6	0·72	18	- 3	Malin Head ..	2·5	—	17	•	•	•	•	•	•
a Blacksod Point ..	327	65	20th	51	23rd	62·0	52·9	57·2	- 0·1	7	0·72	18	- 10	Markree Castle	2·3	- 1·8	16	0	37	60·8	+0·7	58·0	+0·8
p Markree Castle ..	122	71	20, 21	43	23rd	67·3	51·0	58·7	+ 2·7	5	0·57	14	- 12										
b, East .. { *p* Armagh	196	73	20th	45	23rd	67·4	53·0	59·8	+ 3·2	6	0·26	7	- 14	Armagh	4·1	- 0·1	29	0	37	60·7	+0·6	57·7	-0·3
a Donaghadee	101	74	20th	48	23rd	67·1	52·4	59·3	+ 2·4	6	0·28	7	- 13										
10. IRELAND, S.																						
p Dublin, City	47	76	20th	49	23rd	70·4	55·9	62·7	+ 3·8	3	0·19	5	- 15	Trinity Coll. ..	•	•	•	0	40	61·7	+1·3	58·8	+0·5
a Birr Castle	175	74	21st	44	23rd	68·3	53·4	60·4	+ 3·0	4	0·37	9	- 15	Phœnix Park ..	6·1	+ 1·0	43	0	38	•	•	•	•
a Kilkenny	212	73	20th	42	23rd	68·0	53·3	60·2	+ 2·4	4	0·13	3	- 20	Dublin City ..	•	•	•	0	46	•	•	•	•
a Waterford	20	72	19th	44	18, 23	67·4	53·1	59·8	+ 1·1	2	0·27	7	- 18	Birr Castle ..	4·4	- 0·1	31	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	541	72	19th	46	23rd	66·0	52·4	58·8	—	5	0·15	4	—	Seskin	3·6	—	26	0	43	•	•	•	•
a Cahir	199	73	20th	43	23rd	67·9	53·9	60·5	+ 2·5	4	0·24	6	—										
a Foynes	50	72	20, 21	51	23rd	67·9	56·0	61·6	+ 3·5	4	0·30	8	- 17										
a Cahirciveen (Val. Obs.)	30	66	21, 24	49	23rd	64·7	56·0	60·1	+ 1·5	5	0·52	13	- 20	Cahirciveen ..	2·3	- 2·6	16	0	42	•	•	•	•
a Killarney	174	75	20th	46	23rd	69·0	57·1	62·7	+ 4·1	5	0·50	13	- 17	Ballinacurra ..	4·0	- 0·8	29	•	•	•	•	•	•
a Roche's Point	32	71	19th	50	23, 24	64·7	55·4	59·8	+ 1·1	6	0·26	7	- 18										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	69	21st	52	24th	66·6	57·3	61·7	+ 1·1	3	0·07	2	- 14	Scilly	4·6	- 2·2	33	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	85	22nd	56	21st	71·4	58·9	64·8	+ 2·2	2	0·05	1	- 14	St. Heliers ..	7·7	+ 0·3	55	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	85	22nd	55	24th	71·6	58·3	64·6	+ 2·4	2	0·07	2	- 14	Guernsey† ..	8·1	+ 0·6	58	0	49	66·4	+2·6	63·6	+1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 24th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	22, 23	3	21, 23	5	59	78	11	12	315	19	22	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	14	64	68	22	293	10	22	24	24	23	0	50
Aberdeen	153	105	52	—	—	22, 23	6	28	104	30	0	293	15	23	1	27	23	0	40
Edinburgh	485	39	31	—	—	18, 22	12	102	47	7	0	191	14	22	13	22	22	12	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	20 to 23	27	66	56	19	0	290	15	23	1	24	23	0	5
Paisley	188	81	15	—	—	22	2	50	95	21	0	225	11	22	14	23	22	14	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	35	100	33	0	236	9	20	15	19	22	17	10
South Shields	72	61	12	—	—	18, 20, 22	7	55	73	33	0	281	12	20	11	20	18	12	20
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	34	130	4	0	304	8	18	10	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	74	54	0	40	169	11	22	15	14	18	10	15
Shoeburyness	103	90	‡	—	—	—	—	63	104	1	0	225	10	22	13	14	18	2	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	21	100	47	0	247	8	21	16	14	18	11	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	14	154	0	0	—	7	22	13	11	18	14	30
Brighton	261	53	6	—	—	—	—	25	124	19	0	—	8	18	14	13	23	7	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	67	63	17	21	225	10	22	13	14	22	11	30
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	92	68	8	0	270	11	18	12	14	18	11	45
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	3	110	41	14	203	6	22	13	11	{ 18	13	50
S. Kensington	123	92	30	—	—	—	—	5	118	33	12	270	7	18	13	11	{ 22	15	25
7. ENGLAND, N.W.																	18	13	30
Carnforth	246	56	23	—	—	—	—	22	94	52	0	281	9	18	11	14	22	16	50
Fleetwood (Cup Anr.) ..	109	44	‡	—	—	18, 19, 22, 23	27	84	55	2	0	293	17	22	23	—	—	—	—
Southport	80	62	48	22	1	18 to 23	46	58	55	8	0	270	18	22	21	22	22	21	10
Holyhead	60	40	‡	—	—	18, 20 to 22	9	128	23	8	0	191	12	22	12	18	22	13	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	47	93	28	0	180	10	21	15	16	18	12	30
Plymouth	185	88	2	—	—	—	—	3	87	63	15	—	6	21	15	19	18	13	20
Lyme Regis	556	61	‡	—	—	—	—	15	49	104	0	—	7	18	14	12	18	15	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	18 to 20, 22	25	69	64	10	0	247	14	20	5	—	—	—	—
Quilty	100	40	‡	—	—	22	7	97	57	7	0	—	12	22	16	19	22	9	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	22	2	59	95	12	0	200	12	22	8	20	22	8	25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	—	—	53	89	26	0	315	9	18	1	14	18	0	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FOURTH WEEK of 1918—August 18th to August 24th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest.	Temperature of the Air. Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	40	88·3	82·8	85·4	0·0	86	− 1	0	0	6	+ 1	2·43	62	+ 39	3·0	−0·8	20	1009
Eastern.																			
1. SCOTLAND, EAST ...	71	43	90·8	83·3	86·8	+ 0·7	104	+ 9	0	0	5	+ 1	0·65	17	0	3·8	−0·9	26	1011
2. ENGLAND, N.E.	84	40	95·2	85·8	90·2	+ 2·9	147	+ 36	0	0	1	− 3	0·09	2	− 15	8·1	+3·2	56	1015
3. ENGLAND, EAST ...	92	46	96·9	86·8	91·6	+ 3·2	164	+ 40	0	0	1	− 3	0·04	1	− 13	7·9	+2·3	56	1017
4. MIDLAND COUNTIES ...	89	42	96·3	85·9	90·8	+ 3·0	154	+ 38	0	0	1	− 3	0·04	1	− 16	7·1	+1·9	50	1018
5. ENGLAND, S.E.	90	38	95·5	86·6	90·8	+ 2·0	154	+ 23	0	0	1	− 3	0·06	2	− 13	7·2	+1·0	51	1019
Western.																			
6. SCOTLAND, WEST ...	72	45	90·9	84·3	87·4	+ 0·9	111	+ 10	0	0	5	0	0·86	22	− 4	4·0	−0·8	28	1014
7. ENGLAND, N.W.	84	40	93·3	85·8	89·3	+ 1·8	136	+ 23	0	0	3	− 1	0·41	10	− 14	7·1	+2·1	50	1017
8. ENGLAND, S.W.	81	41	93·1	85·9	89·3	+ 1·2	135	+ 14	0	0	3	− 1	0·26	7	− 15	5·7	−0·2	41	1019
9. IRELAND, NORTH ...	74	43	91·6	84·5	87·8	+ 1·1	117	+ 14	0	0	6	+ 1	0·49	12	− 11	3·2	−1·0	22	1013
10. IRELAND, SOUTH ...	76	42	92·8	85·7	89·1	+ 1·5	132	+ 18	0	0	4	− 1	0·31	8	− 17	4·2	−0·6	30	1018
11. ENGLISH CHANNEL ...	85	52	94·1	87·6	90·6	+ 1·2	152	+ 15	0	0	2	− 2	0·06	2	− 14	6·8	−0·4	49	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, June 2nd to August 24th, 1918.

0. SCOTLAND, NORTH ...	77	27	88·2	82·2	84·9	− 0·4	964	− 57	0	− 1	56	+ 4	11·86	302	+ 72	4·3	−0·1	25	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	90·3	81·8	85·8	− 0·3	1089	− 48	0	0	46	+ 1	7·12	183	− 4	5·6	+0·3	34	1013
2. ENGLAND, N.E.	84	35	92·1	83·3	87·4	+ 0·2	1333	+ 33	0	0	35	− 5	5·13	130	− 35	6·5	+0·7	41	1015
3. ENGLAND, EAST ...	92	34	93·1	83·5	88·0	− 0·2	1428	− 32	0	0	33	− 5	5·74	147	− 2	7·0	+0·5	45	1016
4. MIDLAND COUNTIES ...	89	35	93·2	83·2	87·9	0·0	1408	+ 2	0	0	37	− 1	5·26	135	− 29	6·3	+0·5	40	1016
5. ENGLAND, S.E.	90	32	93·1	83·9	88·2	− 0·4	1461	− 59	0	0	34	− 2	6·62	168	+ 25	7·2	+0·3	46	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·7	82·9	86·5	− 0·1	1206	− 15	0	0	51	+ 4	8·14	207	− 35	5·7	0·0	35	1014
7. ENGLAND, N.W.	84	36	91·2	83·8	87·2	− 0·2	1313	− 20	0	0	42	− 1	7·14	181	− 27	6·3	+0·4	39	1015
8. ENGLAND, S.W.	81	32	91·9	83·9	87·6	− 0·3	1365	− 44	0	0	38	− 4	7·43	189	− 9	7·3	+0·9	47	1017
9. IRELAND, NORTH ...	80	36	90·4	83·3	86·6	0·0	1215	− 9	0	0	53	0	7·12	179	− 44	4·9	0·0	31	1014
10. IRELAND, SOUTH ...	84	36	91·8	83·8	87·5	− 0·1	1357	− 4	0	0	48	+ 2	7·82	199	− 22	5·9	+0·5	38	1017
11. ENGLISH CHANNEL ...	85	44	92·1	85·4	88·5	− 0·2	1509	− 27	0	0	35	− 5	5·44	140	− 10	8·8	+1·0	58	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 34 Weeks, December 30th, 1917, to August 24th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·0	77·9	80·9	+ 0·2	1486	+ 23	514	− 25	150	− 6	30·74	778	+ 18	3·5	−0·1	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·0	77·4	81·0	0·0	1648	− 3	617	0	127	− 6	17·29	439	− 41	4·1	−0·1	30	1014
2. ENGLAND, N.E.	84	9	86·1	78·8	82·3	+ 0·5	2023	+150	394	− 78	110	−10	13·46	341	− 46	4·6	0·0	34	1016
3. ENGLAND, EAST ...	92	14	86·8	78·7	82·6	+ 0·2	2179	+ 21	411	− 83	102	−14	14·72	376	+ 11	5·1	+0·1	39	1017
4. MIDLAND COUNTIES ...	89	12	87·3	78·7	82·8	+ 0·5	2244	+116	402	−120	105	−10	14·97	381	− 31	4·5	0·0	34	1016
5. ENGLAND, S.E.	90	15	87·2	79·3	83·1	+ 0·1	2303	+ 15	353	− 26	102	−10	16·39	416	+ 24	5·3	+0·1	40	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·7	78·7	82·1	+ 0·3	1898	+ 87	374	− 42	134	− 7	24·97	635	− 64	4·3	−0·1	32	1015
7. ENGLAND, N.W.	84	12	86·2	79·5	82·7	+ 0·5	2093	+135	280	−102	115	−11	18·51	474	− 56	4·7	+0·1	36	1016
8. ENGLAND, S.W.	82	16	86·7	79·7	83·2	+ 0·4	2215	+ 58	256	− 45	110	−15	20·03	511	− 51	5·3	+0·3	41	1017
9. IRELAND, NORTH ...	80	18	86·0	79·3	82·5	+ 0·4	2002	+125	277	− 63	140	−14	19·76	500	− 88	4·1	0·0	31	1014
10. IRELAND, SOUTH ...	84	19	87·1	80·0	83·4	+ 0·4	2305	+132	217	− 43	134	− 2	23·20	588	− 29	4·7	+0·2	36	1016
11. ENGLISH CHANNEL ...	85	26	87·2	81·4	84·1	+ 0·1	2499	+ 40	91	− 14	110	−19	14·58	372	− 83	6·4	+0·5	49	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: August 29th, 1918.

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:— IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 35.

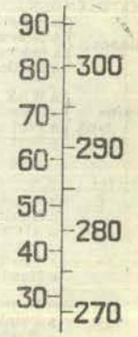
THE THIRTY-FIFTH WEEK OF 1918.

SUNDAY, AUGUST 25TH, TO SATURDAY, AUGUST 31ST, 1918.

Price 6d., Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first three days of the week the weather over the British Isles was under cyclonic influence and was decidedly unsettled; from Wednesday to Friday conditions were anticyclonic, but by the end of the week an important depression was passing across our area. The strongest winds were associated with the latter system and blew from West or North-West. Mean temperature for the week was about 1 a. below normal in England South-East, but in other districts it was either equal to the normal or differed very slightly from it. The highest temperature of the week was 296 a. at Cromer and Little Massingham on the 25th, and the lowest 277 a. at Marlborough on the 25th and 30th, and at Rhayader on the 29th. Frost on the ground (272 a.) was registered at Crathes and Rhayader. Rain fell on six days in the Scottish Districts, the number decreasing southwards to three in England South-East; the total fall was 9mm. in excess of the normal in England North-West, but 4mm. or 5mm. in defect in England South-East, the Irish Districts and the English Channel. Individual measurements of 10mm. and upwards were very common in the western and southern districts on the 25th, the largest falls being 37mm. at Shaftesbury and 39mm. at Beddgelert and Dumfries; on the 31st 30mm. and upwards fell in the north of Scotland generally, at Wick as much as 42mm. The storms of the 25th and the 31st, were both accompanied by thunder and lightning, and at some places by hail or sleet. Snow was observed on the Pentland Hills on the 31st. Bright sunshine was scanty in all districts, the greatest deficiency being 2 hours per day in most parts of England. Copious dews were formed on several occasions, but there were few reports of fog. A solar halo was observed at Shoeburyness on the 25th, and a lunar halo at Tenbury on the 26th. A display of Aurora Borealis was seen at Dublin and Holyhead on Saturday night and at Southport early on Sunday (1st September).



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	5	2·8	8	2·3	12	2·5	13	2·4	10	4·0	3	3·0	7	3·0	7	2·7
North	11	3·3	8	1·8	14	2·0	11	1·5	17	4·8	24	4·4	9	4·1	17	4·4
West	17	3·7	18	5·7	25	3·1	24	2·4	28	5·4	24	4·8	24	7·6	24	4·0
East	8	6·4	3	1·3	2	1·4	0	—	0	—	1	1·1	1	0·6	1	0·3
Calm	3	—	5	—	1	—	3	—	0	—	0	—	2	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 13 weeks from June 2nd, 1918.	Warmth ...	3, 6, 4	3, 5, 5	5, 5, 3	3, 7, 3	5, 5, 3	2, 6, 5	6, 3, 4	6, 3, 4	4, 5, 4	6, 3, 4	4, 5, 4	4, 5, 4
	Rainfall ...	6, 2, 5	3, 4, 6	2, 4, 7	4, 4, 5	4, 3, 6	3, 5, 5	3, 7, 3	3, 5, 5	4, 4, 5	0, 9, 4	4, 5, 4	3, 5, 5
	Sunshine ...	4, 4, 5	3, 7, 3	3, 8, 2	4, 7, 2	5, 5, 3	4, 7, 2	4, 3, 6	5, 3, 5	7, 2, 4	3, 7, 3	4, 6, 3	6, 4, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of 2° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(19135—19.) Wt. 199—789. 625. 9/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F	in.	mm.	mm.		hr.	hr.	%		°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands: a Lerwick	54	56	27th	41	31st	52·7	45·1	48·7	− 2·5	4	0·32	8	− 16									
p Deerness	160	59	27th	44	31st	55·6	48·6	51·9	—	4	1·81	46	+ 23	Deerness	2·9	− 0·6	21	•	•	•	•	•	•
a Stornoway	51	64	28th	45	31st	58·7	49·6	53·9	+ 1·2	6	1·15	29	− 3	Stornoway	2·5	− 1·3	18	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	60	25th	48	31st	57·6	52·0	54·6	—	7	0·87	22	—	Castlebay	2·7	—	19	•	•	•	•	•	•
b, Mainland: a Wick	81	59	29th	42	31st	55·9	47·9	51·7	− 0·9	7	2·28	58	+ 37										
p Glencarron	500	63	25th	42	31st	58·4	48·1	52·9	+ 0·4	7	2·39	61	+ 3										
a Fort Augustus	68	65	26th	42	31st	60·1	50·3	54·9	+ 1·0	4	1·05	27	0	Fort Augustus	—	—	—	•	•	•	•	•	•
p Fort William	171	66	23th	45	31st	61·7	50·4	55·7	+ 1·2	7	1·32	34	− 16										
1. SCOTLAND, E.																							
a Nairn	82	64	25th	44	31st	59·3	49·7	54·2	+ 0·2	6	0·83	21	+ 3	Nairn	2·0	—	14	•	•	•	•	•	•
p Gordon Castle	101	63	25th	44	29, 31	59·3	49·4	54·1	− 0·2	7	1·87	47	+ 25	Gordon Castle	2·4	—	17	•	•	•	•	•	•
a Aberdeen	46	63	30th	44	31st	60·3	50·1	54·9	+ 0·7	6	1·77	45	+ 26	Aberdeen	2·5	− 2·0	18	0	37	•	•	•	•
a Balmoral	930	60	25th	42	31st	57·1	47·3	51·9	+ 0·7	6	0·83	21	0	Balmoral	•	•	•	0	37	•	•	•	•
p Crieff	432	68	28th	41	31st	61·0	48·0	54·1	− 0·9	5	1·28	33	+ 6	Crathes	1·6	− 2·5	11	1	30	58·3	+1·8	57·1	+1·7
a Dundee	244	67	28th	40	29th	62·4	48·0	54·8	− 0·1	7	0·63	16	− 5	Dundee	4·0	—	29	0	33	58·0	•	•	•
a Leith	30	68	25th	46	31st	61·9	50·4	55·8	− 0·3	5	0·43	11	− 7	Leith	•	•	•	0	43	•	•	•	•
p Edinburgh	441	65	25, 28	44	31st	60·9	49·6	54·9	+ 0·3	6	0·59	15	− 3	Edinburgh	3·9	− 0·5	28	0	42	•	•	•	•
a West Linton	789	64	28th	40	29th	59·4	47·0	52·8	+ 1·3	6	0·73	19	—	West Linton	2·6	—	19	0	37	•	•	•	•
p Marchmont	498	63	29th	40	31st	60·6	48·0	53·9	0·0	5	0·83	21	− 1	Marchmont	2·9	− 1·4	21	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	65	26th	47	31st	60·8	51·3	55·8	—	7	1·99	51	—	Ford (Argyll)	•	•	•	0	39	59·7	•	57·4	•
p Glasgow Observatory	180	65	28th	46	31st	60·6	51·3	55·7	+ 1·0	7	0·99	25	− 1	Glasgow	3·8	+ 0·2	27	0	40	•	•	•	•
p Rothesay	200	63	25th	44	31st	59·4	50·4	54·6	− 0·4	6	1·08	28	− 6	Rothesay	3·7	—	26	0	40	58·3	•	56·5	+0·9
a Kilmarnock	90	66	28th	47	29th	62·0	51·4	56·4	+ 2·5	7	1·95	50	+ 21	Kilmarnock	2·7	—	19	•	•	58·5	•	56·4	•
a Colmonell	170	67	25th	48	31st	62·1	53·3	57·4	+ 3·1	2	0·82	21	− 8	Colmonell	•	•	•	0	44	•	•	•	•
p Cally, Gatehouse	120	67	26, 28	46	31st	63·3	50·7	56·6	+ 2·8	6	1·23	31	− 1	Dumfries	3·4	—	24	0	39	58·3	− 0·3	56·8	− 2·0
p Dumfries	160	65	26, 28, 30	46	31st	61·7	50·4	55·7	+ 0·2	6	2·30	58	+ 30	Eskdalemuir	2·8	—	20	0	36	•	•	•	•
a Eskdalemuir	794	64	28th	40	29th	58·6	45·6	51·7	—	5	1·42	36	—										
b, I. OF MAN p Douglas	277	65	30th	46	31st	60·0	52·3	55·9	+ 0·6	5	0·75	19	− 9	Douglas	4·0	− 1·1	29	0	47	•	•	•	•
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	66	30th	45	29, 31	61·6	50·0	55·5	− 0·1	5	1·01	26	+ 7										
a Tynemouth	71	66	30th	47	29, 31	60·7	51·1	55·6	− 0·6	5	0·55	14	− 2	Cockle Park	3·2	− 1·5	23	0	37	55·8	+1·0	55·8	+0·8
p Durham	336	66	29, 30	44	29th	61·1	48·6	54·5	− 1·6	4	0·55	14	− 1	Durham	3·2	− 1·2	23	0	34	•	•	•	•
p Rounton	249	66	30th	43	29th	62·1	48·4	54·8	− 0·9	5	0·61	16	0	Rounton	•	•	•	0	34	59·5	•	•	•
a West Witton	605	66	28th	44	29th	61·3	49·0	54·8	—	6	1·03	26	—	West Witton	•	•	•	0	40	58·3	•	55·8	•
p Scarborough	100	70	27th	52	29th	65·7	54·1	59·6	+ 2·0	4	0·90	23	+ 7	Scarborough†	2·6	− 2·3	19	•	•	•	•	51·5	•
p York	56	66	25, 30,	46	29th	63·6	51·3	57·1	− 0·7	4	0·72	18	+ 4	York	2·4	− 2·1	17	•	•	60·3	+1·6	58·8	+1·4
b, South: a Spurn Head	26	69	25th	50	31st	61·9	53·0	57·2	− 1·2	4	0·72	18	+ 6	Spurn Head	2·9	—	21	•	•	•	•	•	•
a Lincoln	58	69	25th	46	29th	63·7	50·5	56·7	− 1·7	3	0·67	17	+ 3	Lincoln	•	•	•	0	41	60·9	+1·6	59·8	+1·9
a Fulbeck	180	71	25th	42	29th	64·4	49·4	56·5	− 1·9	4	0·43	11	− 4	Rauceby	2·8	− 2·6	20	•	•	61·3	+0·6	59·2	+1·0
														Skegness	3·7	− 1·9	27	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	74	25th	50	25, 30	64·4	53·0	58·4	− 0·4	5	0·43	11	− 2	Cromer	3·2	− 2·4	23	•	•	•	•	•	•
a Little Massingham	280	74	25th	45	30th	63·9	48·7	55·8	− 2·3	4	0·77	20	+ 2	Lit. Massingham	3·3	− 2·0	24	•	•	•	•	•	•
a Yarmouth	13	69	26th	48	30th	64·9	52·1	58·1	− 0·7	5	0·58	15	− 1	Yarmouth	4·0	—	29	0	46	62·7	+0·8	61·1	+0·1
a Norwich	93	72	25th	46	30th	65·2	51·6	58·0	− 0·7	4	0·61	15	− 1	Norwich	3·6	—	26	0	39	61·7	•	•	•
a Geldeston	37	72	25th	45	30th	66·0	50·3	57·7	− 0·9	4	0·23	7	− 8	Geldeston	2·8	− 2·9	20	•	•	•	•	•	•
p Cambridge	41	70	25, 26	44	25th	66·6	50·1	57·9	− 1·1	5	0·60	15	+ 1	Cambridge	3·2	− 2·4	23	0	36	61·5	+0·6	60·6	+0·6
a Clacton-on-Sea	54	67	25th	47	29th	64·9	52·1	58·1	− 1·4	5	0·55	14	+ 2	Clacton	4·6	− 1·9	34	0	43	61·7	+1·0	61·7	+1·6
a Rothamsted	424	65	25, 30	44	25th	63·1	50·1	56·2	− 1·6	5	0·69	18	+ 2	Rothamsted	2·9	− 2·7	21	0	35	59·7	•	•	•
p Tottenham	51	68	25th	47	30th	65·6	53·9	59·4	—	4	0·53	13	—	Tottenham	3·5	—	26	0	45	•	•	62·0	+0·4
4. MIDLAND COUNTIES.																							
a North: a Harrogate	478	64	29, 30	45	29th	61·1	49·6	55·0	− 0·8	5	0·70	18	0	Harrogate	3·1	− 1·7	22	0	41	57·5	+1·3	57·4	+1·5
p Sheffield	429	64	26, 28, 30	48	29, 31	62·3	51·7	56·7	—	5	0·82	21	—	Sheffield	2·6	− 2·0	18	0	40	59·1	+1·3	57·2	+1·2
p Buxton	987	59	25, 28, 31	46	25, 31	57·7	49·3	53·3	—	6	1·85	47	+ 18	Buxton	2·3	—	17	0	40	58·5	+1·2	57·3	+1·8
b, East: a Bawtry	65	69	25th	45	25th	63·3	50·7	56·6	− 0·9	5	0·55	14	0	Worksop	1·9	− 2·4	14	0	35	59·7	•	58·4	•
a Nottingham	82	68	26th	47	25th	64·6	50·9	57·3	− 0·4	5	0·55	14	− 2	Nottingham	2·6	− 2·2	19	0	40	59·3	+0·8	60·3	+1·5
p Birmingham, Edgbsn.	535	66	30th	50	25, 27, 31	62·3	51·3	56·5	− 1·1	4	0·87	23	+ 5	Birmingham	1·6	− 2·5	12	0	44	56·7	+1·2	55·2	+1·4
a Raunds	203	70	26th	45	25th	66·3	49·3	57·3	− 1·4	5	0·46	12	− 4	Raunds	3·5	—	26	0	36	62·6	•	59·0	•
p Oxford	208	66	26, 30	46	30th	63·6	50·4	56·6	− 2·1	3	0·67	17	+ 2	Oxford	2·0	− 3·3	15	0	38	•	•	•	•
c, West: a Cheadle (N. Staffs.)	646	64	26th	49	27, 31	61·0	50·7	55·5	− 0·6	5	1·51	38	+ 16	Cheadle	•	•	•	0	41	•	•	•	•
p Tenbury*	313	69	29th	43	29th	63·6	49·3	56·0	− 0·8	3	1·94	49	+ 33	Tenbury*	3·4	•	25	0	39	61·0	•	•	•
a Hereford	291	70	29th	41	31st	63·8	47·6	55·3	− 2·4	3	1·32	34	+ 18	Malvern	3·2	—	23	0	45	60·6	•	61·1	•
a Clifton	229	69	28th	48	29th	64·7	52·7	58·3	− 1·6	4	1·17	30	+ 2	Clifton	3·8	—	28	0	46	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	69	25th	40	25, 26, 30	65·1	44·6	54·2	− 2·5	5	0·80	20	+ 2	Worthing	5·4	− 1·0	40	0	43	62·7	+0·5	61·2	+0·4
p Salisbury (Wilton)	180	69	29th	42	30th	65·3	48·1	56·2	− 2·3	3	0·88	22	+ 3	Marlborough	2·9	− 2·1	21	0	34	60·0	•	58·9	•
a Wisley, Surrey	150	68	25th	44	25, 30	65·4	49·7	57·1	− 1·6	3	0·33	8	− 8	Salisbury	•	•	•	0	39	62·4	•	•	•
a Tunbridge Wells	354	67	26, 29	46	30th	65·7	50·6	57·7	− 1·2	3	0·40	10	− 8	Wisley	3·7	− 1·9	27	0	36	60·8	+0·1	59·8	0·0
a Margate	51	70	25th	52	25, 27	65·1	54·9	59·7	− 1·0	3	0·22	6	− 9	Tunbridge Wells	4·4	− 1·5	32	0	36	60·9	−0·6	59·9	•
														Margate	3·7	− 2·0	27	0	47	65·4	+4·1	64·3	+4·2
a Dungeness	21	69	26, 31	46	29th	67·1	52·3	59·3	− 0·8	4	0·51	13	− 3	Folkestone	4·7	—	35	•	•	•	•	57·2	•
p St. Leonards	178	69	26th	50	27th	65·9	53·1	59·1	− 1·0	2	0·43	11	− 7	St. Leonards	5·5	− 0·8	40	0	47	63·2	•	61·8	•
p Southampton	64	69	26, 29	46	30th	66·1	51·1	58·2	− 2·3	3	0·59	15	− 4	Southampton	4·8	− 1·2	35	0	38	•	•	•	•
a Ventnor	59	70	28th	50	30th	66·3	54·7	60·2	− 0·9	3	0·28	7	− 10	Ventnor	5·8	− 0·3	43	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	68	25th	48	25, 30	65·1	52·0	58·2	− 1·3	5	0·50	13	− 3	Richmond	3·3	− 2·1	24	0	37	61·5	+1·1	59·5	+0·7
a Westminster	27	68	25, 29	47	30th	66·2	52·7	59·1	− 1·4	4	0·42	11	− 4	Westminster	3·5	− 1·3	26	0	45	•	•	•	•
ag Greenwich	149	70	25th	46	25th	67·1	51·6	58·9	− 1·5	4	0·53	13	+ 1	Greenwich	3·4	− 2·7	25	0	34	•	•	•	•
a Hampstead	450	66	25, 29	46	30th	63·7	51·0	57·0	—	4	0·49	12	—	Hampstead	2·9	—	21	•	•	•	•	•	•
ag Camden Square	110	72	25th	47	30th	68·0	51·3	59·2	− 1·8	4	0·55	14	− 2	Camden Square	2·8	− 1·8	21	0	45	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	28th	46	31st	59·9	50·8	55·0	− 0·8	5	1·42	36	+ 9	Aspatria	3·1	− 1·4	22	0	43	57·3	−0·9	56·0	+0·3
p Newton Rigg	559	66	28th	42	25th	60·9	48·1	54·1	− 0·6	7	1·72	44	+ 22	Newton Rigg	2·8	− 1·6	20	0	36	58·5	+0·8	56·8	+0·7
p Stonyhurst	375	63	27, 28	49	29, 31	61·6	51·1	56·0	+ 0·1	7	2·62	67	+ 35	Stonyhurst	3·1	− 1·1	22	0	44	•	•	•	•
p Blackpool	66	65	29, 30	52	28th	62·9	55·4	58·9	+ 1·9	6	1·67	43	+ 20	Blackpool	4·7	− 0·3	34	0	48	60·9	•	57·4	•
a Southport	37	63	30th	51	31st	60·9	54·3	57·4	+ 0·3	5	1·62	41	+ 19	Southport	4·5	− 0·6	31	0	45	61·7	+1·3	62·3	+2·1
														Hoylake	2·1	− 2·6	15	•	•	•	•	•	•
a Liverpool (Bidston)	188	63	30th	52	31st	60·6	53·9	57·1	− 0·5	6	0·84	21	+ 2	Liverpool	3·1	—	23	0	48	•	•	•	•
a Hawarden Bridge	22	66	30th	51	31st	62·7	54·1	58·1	0·0	5	0·81	21	+ 5	Manchester (City)	2·1	− 1·5	15	0	45	61·0	+2·1	61·6	+2·0
p Manchester (Whit. Pk.)	125	64	28th	50	31st	61·3	54·0	57·4	− 0·5	5	1·55	42	+ 21	Whitworth Park	1·3	− 2·3	9	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	64	25th	52	31st	61·1	55·3	58·0	− 0·3	4	0·54	14	− 5	Llandudno	2·2	− 2·8	16	•	•	•	•	•	•
a Holyhead	15	65	30th	54	28-31	61·7	54·6	57·9	+ 0·5	3	0·52	13	− 8	Holyhead	2·8	—	20	0	51	•	•	•	•
a Beddgelert	309	64	25th	51	27th	60·7	52·9	56·6	—	7	3·41	87	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

* Owing to the interruption of observations at Shrewsbury, Tenbury has been substituted as a District Value Station from the 34th week.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	65	25th	51	29th	62·1	54·7	58·2	—	4	1·15	29	—	Aberystwyth ..	1·8	- 3·4	13	*	*	*	*	*	*
a Rhayader	757	62	28,30	40	29th	59·1	49·6	54·1	—	7	1·09	28	—	Rhayader ..	1·9	—	14	1	30	*	*	*	*
a St. Ann's Head	149	63	25th	51	25, 29	60·7	53·6	56·9	- 1·0	3	0·33	8	- 15	St. Ann's Head	4·7	- 0·7	34	*	*	*	*	*	*
p Cardiff	202	67	28, 29	47	29th	63·1	51·0	56·7	- 1·5	5	1·01	26	- 2	Cardiff	4·4	—	32	0	42	61·5	+1·2	59·7	+0·5
b, ENGLAND, S.W.																							
a Bath	66	69	29th	46	29, 30	66·0	50·4	57·7	- 0·8	3	1·08	27	+ 8	Bath	*	*	*	*	*	62·7	+0·7	62·0	+0·7
a Shaftesbury	722	65	28, 29	45	30th	61·9	49·6	55·4	- 2·2	4	1·69	43	+ 22	Shaftesbury ..	*	*	*	*	*	60·6	*	60·6	*
a Arlington	613	63	25th	47	30th	61·0	51·3	55·9	- 0·9	5	1·79	45	+ 10										
a Hartland Quay ..	100	63	25, 27	57	28–30	61·3	57·7	59·4	—	4	0·37	9	—										
a Newquay	190	65	25th	54	28th	61·9	55·9	58·7	- 0·3	3	0·87	22	+ 1	Newquay ..	4·6	- 1·2	34	0	50	62·5	*	60·4	*
a Cullompton	202	68	28, 29	42	29th	65·6	49·9	57·3	- 0·8	5	0·96	24	+ 4	Cullompton ..	4·1	- 1·1	30	0	36	61·5	*	*	*
a Portland Bill	19	66	29th	52	30th	63·1	55·7	59·2	- 0·5	3	0·51	13	- 3	Weymouth ..	—	—	—	*	*	*	*	*	*
p Plymouth	116	66	25, 26, 30	48	30th	64·7	53·0	58·5	- 0·8	3	0·69	18	- 3	Plymouth ..	4·1	- 1·6	30	*	*	62·1	+ 0·3	60·9	*
a Falmouth	167	66	26, 30, 31	47	29th	64·4	53·0	58·4	- 0·4	3	0·35	9	- 15	Falmouth ..	4·2	- 1·8	31	0	40	63·1	*	63·0	*
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	59	25, 27, 29	50	31st	57·6	52·3	54·8	- 0·8	6	1·10	28	+ 7	Malin Head ..	3·5	—	25	*	*	*	*	*	*
a Blacksod Point ..	327	62	25th	49	28th	59·6	51·7	55·4	- 1·0	4	0·82	23	- 6	Markree Castle	3·4	- 0·3	24	0	38	59·8	+0·5	57·8	+0·7
p Markree Castle ..	122	64	30th	44	29th	61·4	51·0	55·9	+ 1·1	5	0·96	24	- 2										
b, East .. { *p* Armagh	196	68	25th	43	31st	63·6	49·7	56·2	+ 0·9	4	0·49	12	- 9	Armagh	3·8	0·0	27	0	37	59·7	+0·8	57·7	0·0
a Donaghadee	101	67	30th	50	29, 31	61·6	51·4	56·2	+ 0·4	5	0·52	13	- 6										
10. IRELAND, S.																							
p Dublin, City	47	66	27, 30	47	29th	63·3	53·1	57·9	+ 0·2	3	0·91	23	+ 8	Trinity Coll. ..	*	*	*	0	39	60·4	+1·0	58·9	+0·8
a Birr Castle	175	65	27, 30	44	29th	62·1	50·0	55·7	- 0·9	5	0·53	14	- 4	Phœnix Park ..	3·7	- 0·8	27	0	36	*	*	*	*
a Kilkenny	212	67	30th	41	29th	64·3	51·4	57·5	+ 0·9	3	0·57	14	- 3	Dublin City ..	*	*	*	0	44	*	*	*	*
a Waterford	20	68	27, 31	46	29th	65·9	53·1	59·1	+ 1·6	3	0·71	18	- 2	Birr Castle ..	3·2	- 0·8	23	0	38	*	*	*	*
p Seskin, Carrick-on-Suir	541	68	27th	44	26, 29	64·0	49·0	56·1	—	4	0·39	10	—	Seskin	5·1	—	37	0	41	*	*	*	*
a Cahir	199	69	30th	43	29th	65·0	50·7	57·4	+ 0·5	3	0·48	12	—										
a Foynes	50	65	25th	49	29th	62·7	52·9	57·5	+ 0·4	4	0·50	13	- 7										
a Cahirciveen (Val. Obs.)	30	62	25, 26, 29	46	29, 30	61·1	52·1	56·3	- 1·4	6	0·51	13	- 14	Cahirciveen ..	2·6	- 1·8	19	0	39	*	*	*	*
a Killarney	174	67	28th	46	29th	64·6	52·4	58·1	+ 0·5	6	0·63	16	- 8	Ballinacurra ..	—	—	—	*	*	*	*	*	*
a Roche's Point	32	67	27th	48	29th	64·4	52·9	58·3	+ 0·5	4	0·33	8	- 13		4·5	+0·2	33						
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	25th	53	30th	63·6	55·0	59·0	- 0·7	4	0·35	9	- 8	Scilly	4·1	- 1·9	30	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	69	25th	48	25th	65·7	55·1	60·1	- 1·5	3	0·46	12	- 4	St. Heliers ..	7·6	+ 0·4	51	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	67	25, 27	53	25, 30	65·9	55·7	60·5	- 0·8	4	0·60	15	- 2	Guernsey† ..	7·2	+ 0·6	53	0	46	63·8	+0·7	63·3	+1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 31st, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
0. SCOTLAND, N.	ft.	* ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	69	74	16	9	90	11	25	18	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	1	93	74	0	293	6	31	14	14	31	14	45
Aberdeen	153	105	52	—	—	—	—	22	93	53	0	304	9	31	15	15	31	14	45
Edinburgh	486	39	31	—	—	—	—	68	67	33	0	236	11	30	5	17	31	12	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	30	1	36	84	47	0	270	11	30	15	22	31	13	25
Paisley	188	81	15	—	—	—	—	37	100	31	0	304	11	30	12	21	30	11	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	9	74	85	0	349	7	28	9	13	30	6	15
South Shields	72	61	12	—	—	—	—	29	76	63	0	281	10	31	15	17	31	16	45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	17	147	4	0	157	9	25	13	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	37	103	0	28	326	10	28	13	16	28	15	30
Shoeburyness	103	90	‡	—	—	—	—	85	80	3	0	214	10	27	24	16	28	15	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	14	118	36	0	203	7	25	14	12	26	11	30
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	15	153	0	0	—	8	27	22	12	27	21	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	121	39	8	0	270	10	31	14	16	26	11	50
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	114	54	0	0	270	11	31	14	15	31	14	30
Brighton	261	53	6	—	—	—	—	58	101	9	0	—	9	27	23	15	27	23	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	126	36	6	{191 / 236}	5	{35 / 30}	{11 / 15}	10	30	15	20
S. Kensington	123	92	30	—	—	—	—	—	130	27	11	315	5	26	16	10	26	11	35
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	25	72	71	0	270	9	31	11	15	31	14	15
Fleetwood (Cup Anr.) ..	109	44	—	31	1	26, 28 to 31	46	70	47	4	0	293	17	31	21	—	—	—	—
Southport	80	62	48	—	—	26, 28, 30, 31	54	69	42	3	0	304	16	31	22	22	31	22	15
Holyhead	60	40	‡	—	—	26 to 28, 30, 31	34	96	38	0	0	293	14	27	22	19	31	18	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	27	5	90	64	9	0	225	13	27	15	17	27	14	50
Plymouth	185	88	2	—	—	—	—	30	114	24	0	—	11	25	8	15	25	8	50
Lyme Regis	556	61	‡	—	—	—	—	38	105	25	0	—	10	27	19	14	27	18	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	26 to 28 30	19	93	39	4	13	247	13	30	9	—	—	—	—
Quilty	100	40	‡	—	—	25, 27, 28, 31	25	105	30	8	0	—	13	27	16	18	31	19	55
Cahirciveen (Val. Obs.)	98	41	‡	—	—	27	3	76	75	14	0	205	11	27	8	18	27	13	0
Weaver Pt.	160	30	‡	—	—	27, 28	10	89	69	0	0	—	12	27	14	21	27	14	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	90	71	7	0	315	10	25	20	14	26	1	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1918—August 25th to August 31st, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	41	87·2	82·0	84·4	− 0·3	74	− 5	0	0	6	+ 1	1·42	36	+ 4	2·7	−0·7	19	1011
Eastern.																			
1. SCOTLAND, EAST ...	68	40	88·5	82·3	85·2	0·0	84	− 3	0	0	6	+ 1	1·07	27	+ 6	2·8	−1·5	20	1011
2. ENGLAND, N.E.	71	42	90·1	83·4	86·6	− 0·2	101	− 3	0	0	4	0	0·68	17	+ 2	3·0	−1·9	21	1012
3. ENGLAND, EAST ...	74	44	91·3	83·7	87·3	− 0·5	110	− 6	0	0	5	+ 1	0·59	14	0	3·4	−2·2	25	1014
4. MIDLAND COUNTIES ...	70	41	90·4	83·2	86·6	− 0·5	101	− 7	0	0	4	0	0·97	25	+ 8	2·6	−2·3	19	1015
5. ENGLAND, S.E.	70	40	91·7	83·6	87·4	− 0·9	112	− 11	0	0	3	− 1	0·49	12	− 5	4·4	−1·5	32	1015
Western.																			
6. SCOTLAND, WEST ...	67	44	89·2	83·8	86·3	+ 0·6	98	+ 6	0	0	6	+ 2	1·39	35	+ 4	3·9	−0·5	28	1012
7. ENGLAND, N.W.	66	42	89·3	84·6	86·8	0·0	104	0	0	0	5	+ 1	1·27	32	+ 9	3·0	−1·5	22	1014
8. ENGLAND, S.W.	69	40	90·2	83·9	86·9	− 0·6	105	− 8	0	0	4	0	0·95	24	0	3·6	−1·7	27	1017
9. IRELAND, NORTH ...	68	43	89·1	83·6	86·2	+ 0·1	96	+ 1	0	0	5	0	0·75	19	− 4	3·5	−0·3	25	1014
10. IRELAND, SOUTH ...	69	41	90·6	84·2	87·2	+ 0·2	109	+ 2	0	0	4	0	0·59	15	− 5	3·2	−1·8	23	1018
11. ENGLISH CHANNEL ...	69	48	91·4	85·9	88·5	− 0·4	125	− 6	0	0	4	0	0·47	12	− 4	6·1	−0·3	45	1019

THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, June 2nd to August 31st, 1918.

0. SCOTLAND, NORTH ...	77	27	88·1	82·1	84·9	− 0·3	1038	− 62	0	− 1	62	+ 5	13·28	338	+ 76	4·1	−0·2	25	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	27	90·1	81·9	85·7	− 0·3	1173	− 51	0	0	52	+ 2	8·19	210	+ 2	5·3	+0·1	33	1012
2. ENGLAND, N.E.	84	35	91·9	83·3	87·3	+ 0·1	1434	+ 30	0	0	39	− 5	5·81	147	− 33	6·2	+0·5	39	1014
3. ENGLAND, EAST ...	92	34	93·0	83·5	87·9	− 0·3	1538	− 38	0	0	38	− 4	6·33	161	− 2	6·8	+0·4	43	1016
4. MIDLAND COUNTIES ...	89	35	93·0	83·2	87·8	0·0	1509	− 5	0	0	41	− 1	6·23	160	− 21	6·0	+0·2	38	1016
5. ENGLAND, S.E.	90	32	93·0	83·9	88·1	− 0·5	1573	− 70	0	0	37	− 3	7·11	180	+ 20	7·0	+0·2	45	1016
Western.																			
6. SCOTLAND, WEST ...	80	35	90·6	83·0	86·5	0·0	1304	− 9	0	0	57	+ 6	9·53	242	− 31	5·6	0·0	35	1014
7. ENGLAND, N.W.	84	36	91·0	83·8	87·2	− 0·1	1417	− 20	0	0	47	0	8·41	213	− 18	6·1	+0·3	38	1015
8. ENGLAND, S.W.	81	32	91·7	83·9	87·5	− 0·3	1470	− 52	0	0	42	− 4	8·38	213	− 9	7·0	+0·6	45	1017
9. IRELAND, NORTH ...	80	36	90·3	83·3	86·6	0·0	1311	− 8	0	0	58	0	7·87	198	− 48	4·8	0·0	30	1014
10. IRELAND, SOUTH ...	84	36	91·7	83·8	87·5	0·0	1466	− 2	0	0	52	+ 2	8·41	214	− 27	5·7	+0·4	37	1017
11. ENGLISH CHANNEL ...	85	44	92·0	85·5	88·5	− 0·2	1634	− 33	0	0	39	− 5	5·91	152	− 14	8·6	+0·9	56	1019

THE YEAR 1918.—Aggregates, &c., for the Period of 35 Weeks, December 30th, 1917, to August 31st, 1918.

0. SCOTLAND, NORTH ...	77	5	84·1	78·0	81·0	+ 0·2	1560	+ 18	514	− 25	156	− 5	32·16	814	+ 22	3·4	−0·2	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·5	81·1	0·0	1732	− 6	617	0	133	− 5	18·36	466	− 35	4·0	−0·3	30	1014
2. ENGLAND, N.E.	84	9	86·2	79·0	82·4	+ 0·5	2124	+147	394	− 78	114	−10	14·14	358	− 44	4·5	−0·1	34	1016
3. ENGLAND, EAST ...	92	14	87·0	78·9	82·7	+ 0·1	2289	+ 15	411	− 83	107	−13	15·31	390	+ 11	5·1	+0·1	39	1016
4. MIDLAND COUNTIES ...	89	12	87·4	78·8	82·9	+ 0·5	2345	+109	402	−120	109	−10	15·94	405	− 23	4·4	−0·1	33	1016
5. ENGLAND, S.E.	90	15	87·3	79·5	83·2	+ 0·1	2415	+ 4	353	− 26	105	−11	16·88	428	+ 19	5·3	+0·1	40	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·8	78·8	82·2	+ 0·3	1996	+ 93	374	− 42	140	− 5	26·36	670	− 60	4·3	−0·1	32	1015
7. ENGLAND, N.W.	84	12	86·3	79·6	82·8	+ 0·4	2197	+135	280	−102	120	−10	19·78	503	− 47	4·7	+0·1	35	1016
8. ENGLAND, S.W.	82	16	86·8	79·8	83·3	+ 0·3	2320	+ 50	256	− 45	114	−15	20·98	535	− 51	5·3	+0·3	40	1017
9. IRELAND, NORTH ...	80	18	86·1	79·4	82·6	+ 0·3	2098	+126	277	− 63	145	−14	20·51	519	− 92	4·1	+0·1	30	1014
10. IRELAND, SOUTH ...	84	19	87·2	80·1	83·5	+ 0·4	2414	+134	217	− 43	138	− 2	23·79	603	− 34	4·7	+0·2	35	1016
11. ENGLISH CHANNEL ...	85	26	87·3	81·5	84·3	+ 0·1	2624	+ 34	91	− 14	114	−19	15·05	384	− 87	6·4	+0·5	49	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: September 5th, 1918.

EXAMINED
AUTH
ISSU
13.9.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 36.

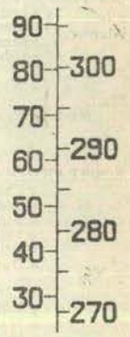
THE THIRTY-SIXTH WEEK OF 1918.

SUNDAY, SEPTEMBER 1ST, TO SATURDAY, SEPTEMBER 7TH, 1918.

Price 6d., Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d

I.—GENERAL SUMMARY. [First published in 1878.]

During the week the weather of the British Islands generally was cool and cloudy, with frequent and heavy showers. Thunderstorms occurred in some parts of the country nearly every day. A gale from North-West was reported from the Lancashire Coast on the 1st September, and there were gusts of gale force from North-East on the East Coast of England on the 4th. At the end of the period the wind again increased in force in the South-West of Ireland. In the English Channel District the mean temperature was nearly 1 a. above normal, but in all other Districts it was below it—as much as 2½ a. in Scotland North and Scotland East. The highest maximum temperature of the week was 296 a. in the Channel Islands, and the lowest minimum 270 a. at West Linton (Pentland Hills). The maximum temperatures about the middle of the week were very low, 284 a. and less, and at Buxton on the 4th it did not exceed 282 a. Frost on the ground was general in Scotland at the end of the week. Rainfall was 11mm. below normal in Scotland West and about equal to it in Scotland East and in Ireland North, elsewhere the week's totals showed a considerable excess; in the Midland Counties the fall was 36mm., or three times the normal. Falls of 20mm. and more in a day were common between the 3rd and the 5th, and were mostly accompanied by thunder and lightning and in some places by hail; over Eastern and Southern England these rains were associated with an Easterly wind, and were unusually prolonged. The Channel Islands and England South-East had a slight excess of bright sunshine, but elsewhere there was a deficiency, in most districts of about one hour per day. Faint aurora was witnessed at Aberdeen on the 2nd and 4th. Solar halos were observed at Aberdeen on the 2nd and at Oxford on the 6th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	3·3	8	2·3	6	3·0	15	1·7	5	2·6	17	4·0	8	3·2	6	2·9
North	21	4·6	8	1·8	14	1·8	5	0·9	16	3·1	9	4·7	9	3·1	18	3·0
West	19	4·4	18	5·7	13	5·2	14	3·2	13	7·8	12	3·1	12	8·8	8	3·3
East	5	3·4	3	1·3	14	5·6	8	3·4	10	9·3	14	2·3	14	6·9	16	5·7
Calm	0	—	5	—	1	—	6	—	3	—	0	—	1	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Unusual
	Rainfall ...	Moderate	Moderate	Heavy	Heavy	Very heavy	Heavy	Light	Heavy	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 1 week from Sept. 1st, 1918.	Warmth ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	1, 0, 0
	Rainfall ...	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 0, 1	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0
	Sunshine ...	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(19248—19.) Wt. 199—789. 625. 9/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands: a Lerwick	54	53	2,7	40	5th	50·7	42·9	46·6	- 4·8	5	0·66	17	- 1										
p Deerness	160	57	2nd	43	5th	53·9	46·4	50·0	—	4	0·52	13	- 4	Deerness	2·7	1·3	20	•	•	•	•	•	•
a Stornoway	51	57	2,7	40	5th	55·3	45·0	49·9	- 2·9	6	1·17	30	+ 7	Stornoway	3·2	1·2	24	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	58	2nd	46	5,6	55·7	48·1	51·7	—	4	0·80	20	—	Castlebay	4·5	—	33	•	•	•	•	•	•
b, Mainland: a Wick	81	57	2nd	39	6th	54·3	44·7	49·3	- 3·4	5	0·46	12	- 3	Fort Augustus	—	—	—	•	•	•	•	•	•
p Glencarron	500	60	7th	34	5th	53·9	41·4	47·4	- 5·1	4	1·97	50	+ 6										
a Fort Augustus	60	64	7th	?30	5th	58·1	39·7	48·5	- 5·3	2	0·84	21	+ 1										
p Fort William	171	61	1,2	33	6th	59·1	40·3	49·3	- 5·2	2	1·32	34	- 3										
1. SCOTLAND, E.																							
a Nairn	82	64	7th	34	7th	58·4	43·0	50·3	- 3·4	4	0·35	9	- 1	Nairn	3·6	—	28	•	•	•	•	•	•
p Gordon Castle	101	67	7th	38	6,7	57·7	43·3	50·2	- 3·9	5	1·12	28	+ 16	Gordon Castle	3·7	—	27	•	•	•	•	•	•
a Aberdeen	46	60	2, 6, 7	38	6th	57·9	43·6	50·4	- 3·6	4	0·48	12	+ 2	Aberdeen	4·1	- 0·7	30	2	30	•	•	54·4	+0·9
a Balmoral	930	62	2,7	28	6th	57·0	38·3	47·2	- 3·7	4	0·91	23	+ 12	Balmoral	•	•	•	2	24	•	•	•	•
p Crieff	432	68	6th	34	5th	61·1	40·6	50·4	- 4·2	2	0·20	5	- 9	Crathes	3·8	- 0·7	28	2	26	54·8	-0·5	56·3	+1·5
a Dundee	244	64	7th	34	6th	60·6	40·7	50·2	- 4·4	2	0·17	4	- 6	Dundee	5·3	—	40	2	28	55·9	•	•	•
a Leith	30	66	7th	39	6th	60·3	43·7	51·6	- 4·2	3	0·24	6	- 3	Leith	•	•	•	0	35	•	•	•	•
p Edinburgh	441	66	7th	41	6th	59·3	44·6	51·6	- 2·8	3	0·34	9	0	Edinburgh	5·0	+ 0·3	37	0	32	•	•	•	•
a West Linton	769	64	6th	26	6th	58·3	36·7	47·0	- 4·1	3	0·35	9	—	West Linton	4·6	—	34	2	26	•	•	•	•
p Marchmont	498	68	6th	34	6th	60·3	40·6	50·0	- 3·6	4	0·30	8	- 3	Marchmont	4·9	+ 0·2	37	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	62	2nd	33	6th	59·4	40·3	49·4	—	2	0·51	13	—	Ford (Argyll)	•	•	•	4	26	56·8	•	57·2	—
p Glasgow Observatory	180	63	7th	37	6th	59·4	43·6	51·1	- 3·5	3	0·33	9	- 9	Glasgow	4·9	+ 0·9	37	2	29	•	•	•	•
p Rothesay	200	62	6th	41	4,6	58·7	44·1	51·1	- 3·8	2	0·68	17	- 7	Rothesay	6·1	—	46	0	33	55·0	•	55·5	+0·5
a Kilmarnock	90	69	7th	33	6th	63·6	40·0	51·2	- 2·6	2	0·26	7	- 12	Kilmarnock	6·0	—	45	•	•	54·1	•	55·5	•
a Colmonell	170	66	6th	35	6th	62·6	43·6	52·6	- 1·8	2	0·21	5	- 15	Colmonell	•	•	•	0	31	•	•	•	•
p Cally, Gatehouse	120	67	6th	38	3rd	62·9	44·0	53·0	- 0·7	2	0·22	6	- 16	Dumfries	5·5	—	41	0	32	54·5	-3·0	56·0	-2·2
p Dumfries	160	67	7th	39	6th	61·7	44·0	52·4	- 2·9	3	0·30	8	- 8	Eskdalemuir	6·2	—	46	1	28	•	•	•	•
a Eskdalemuir	794	65	6th	33	6th	58·7	37·9	47·8	—	4	0·98	25	—										
b. I. OF MAN p Douglas	277	64	6th	46	1st	58·3	50·4	54·2	- 1·1	5	0·53	14	- 5	Douglas	3·1	- 2·7	23	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	70	7th	39	6th	61·0	43·1	51·6	- 3·0	4	0·28	7	- 7										
a Tynemouth	71	64	7th	42	1st	59·7	46·9	53·0	- 2·2	2	0·06	1	- 10	Cockle Park	5·1	+ 0·3	38	0	33	51·5	-2·0	54·2	0·0
p Durham	336	71	7th	41	1, 2	62·3	44·3	52·9	- 2·2	4	0·70	18	+ 7	Durham	4·1	- 0·3	31	0	32	•	•	•	•
p Rounton	249	70	7th	41	1st	62·3	45·4	53·4	- 1·2	5	0·61	16	+ 5	Rounton	•	•	•	0	32	56·4	•	•	•
a West Witton	605	72	7th	42	1st	60·6	46·1	53·0	—	4	1·04	26	—	West Witton	•	•	•	0	37	54·9	•	55·0	•
p Scarborough	100	72	7th	45	1st	63·7	51 4	57·3	+ 0·5	4	0·93	24	+ 13	Scarborough†	4·7	- 0·3	35	•	•	•	•	52·2	•
p York	56	72	7th	40	1st	61·9	47·9	54·6	- 2·1	4	0·92	23	+ 13	York	3·9	- 0·6	29	•	•	57·2	-0·6	57 8	+0·7
b, South: a Spurn Head	26	62	7th	44	1st	58·3	49·7	53·9	- 3·7	4	0·51	13	+ 4	Spurn Head	3·4	—	26	•	•	•	•	•	•
a Lincoln	58	70	6th	42	1st	61·7	47·8	54·4	- 2·9	6	0·83	21	+ 11	Lincoln	•	•	•	0	37	56·4	-1·8	58·6	+1·0
a Fulbeck	160	68	6th	41	1st	61·3	46·9	53·8	- 3·5	6	0·98	25	+ 15	Rauceby	4·6	- 0·8	35	•	•	57·7	-1·9	58 3	+0·4
														Skegness	4·2	- 1·5	32	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	198	68	7th	45	1st	62·6	50·0	56·0	- 2·2	6	0·74	19	+ 8	Cromer	4·3	- 0·9	32	•	•	•	•	•	•
a Little Massingham	280	69	6, 7	40	1st	63·0	46·7	54·5	- 2·7	5	1·84	47	+ 32	Lit. Massingham	4·4	- 0·5	33	•	•	•	•	•	•
a Yarmouth	13	67	3rd	45	1st	62·1	49·9	55·7	- 2·4	4	0·74	19	+ 6	Yarmouth	5·0	—	38	0	42	59·3	-1·5	60·1	-0·3
a Norwich	93	69	6, 7	44	1, 3, 4	63·9	48·0	56·0	- 1·9	7	0·64	16	+ 2	Norwich	5·5	—	41	0	36	58·3	•	•	•
a Geldeston	37	69	7th	44	1, 3, 4	64·4	48·6	56·1	- 1·8	6	0·52	13	+ 1	Geldeston	4·1	- 1·2	31	•	•	•	•	•	•
p Cambridge	41	72	6th	44	1st	65·0	49·3	56·8	- 1·2	5	1·15	29	+ 18	Cambridge	4·7	- 0·5	35	0	35	59·2	-0·5	59·5	0·0
a Clacton-on-Sea	54	68	3, 6	48	3rd	64·3	51·4	57·5	- 1·2	5	0·39	10	- 1	Clacton	6·0	- 0·3	46	0	44	59·3	-0·4	60·3	+0·6
a Rothamsted	424	69	6th	38	3rd	64·1	48·9	56·1	- 0·8	5	0·71	18	+ 5	Rothamsted	5·7	+ 0·6	44	0	37	57·8	•	•	•
p Tottenham	51	70	6th	47	1st	66·4	52·9	59·3	—	2	0·76	19	—	Tottenham	4·7	—	36	0	44	•	•	61·0	-0·2
4. MIDLAND COUNTIES.																							
a North: a Harrogate	479	69	7th	40	1st	59·3	45·9	52·3	- 2·8	5	0·80	20	+ 7	Harrogate	4·4	- 0·3	33	0	37	54·6	-0·7	56·0	+0·7
p Sheffield	429	71	—	45	1—	60·0	48·6	54·0	—	6	1·45	37	—	Sheffield	4·7	+0·4	35	0	39	55·8	+0·9	56·6	+0·8
p Buxton	987	68	7th	42	1st	55·9	46·7	51·1	—	6	2·79	71	+ 50	Buxton	3·6	—	27	0	38	53·8	-2·4	56·7	+1·5
b, East: a Bawtry	65	70	7th	43	1st	61·3	47·6	54·1	- 2·6	6	0·59	15	+ 5	Worksop	3·5	- 0·7	26	1	30	56·0	•	56·9	•
a Nottingham	82	70	6th	43	1st	61·7	47·4	54·2	- 2·7	7	1·85	47	+ 36	Nottingham	4·1	- 0·5	31	0	37	55·7	-1·6	58·8	+0·6
p Birmingham, Edgbsn.	535	69	6th	43	1st	61·4	48·3	54·5	- 2·3	6	2·12	54	+ 42	Birmingham	4·0	0·0	30	0	38	53·5	-0·8	54·5	+0·7
a Raunds	203	70	3, 6	43	1st	64·4	48·3	56·0	- 1·9	6	1·28	32	+ 21	Raunds	4·9	—	37	0	34	60·0	•	58·6	•
p Oxford	208	69	6, 7	42	3rd	64·4	50·0	56·9	- 0·9	6	0·48	12	+ 1	Oxford	4·8	- 0·4	37	0	37	•	•	•	•
c, West: a Cheadle (N. Staffs.)	646	67	7th	41	1st	60·4	46·4	53·1	- 2·4	6	2·59	66	+ 50	Cheadle	•	•	•	0	36	•	•	•	•
p Tenbury	313	68	3, 6	42	1st	62·7	46·9	54 4	- 1·7	6	1·59	40	+ 20	Tenbury	4·2	•	32	0	37	57·1	•	•	•
a Hereford	291	67	3rd	42	1-3	63·4	46·3	54·4	- 2·4	6	2·28	58	+ 47	Malvern	4·6	—	35	0	39	58·1	•	59·7	•
a Clifton	329	70	6, 7	48	1st	66·1	52·4	58·9	- 0·2	5	0·67	17	- 1	Clifton	5·8	—	38	0	45	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	69	6th	39	1st	65·0	48·4	56·3	+ 0·5	5	0·85	24	+ 8	Worthing	7·6	+ 1·5	58	0	42	61·1	+0·1	60·4	0·0
p Salisbury (Wilton)	180	71	6th	41	1st	66·8	47·7	56·8	- 0·7	5	2·08	53	+ 37	Marlborough	4·9	+ 0·1	37	0	31	58·8	•	58·1	•
a Wisley, Surrey	160	72	7th	45	1st	68·0	51·6	59·4	+ 1·7	4	1·18	30	+ 15	Salisbury	•	•	•	0	37	60·8	•	•	•
a Tunbridge Wells	364	69	5, 6	44	3rd	66·4	49·3	57·4	- 0·8	5	1·54	39	+ 23	Wisley	5·7	+ 0·4	44	1	30	59·5	0·0	59·0	0·0
a Margate	51	68	6th	46	3rd	65·4	53·3	59·1	- 0·9	3	0·80	20	+ 6	Tunbridge Wells	5·9	+ 0·2	45	0	34	59·6	-0·4	59·2	0·0
														Margate	6·2	+ 0·6	47	0	43	62·4	+2·4	62·9	+3·4
a Dungeness	21	68	5th	48	1st	66·4	52·6	59·2	- 0·2	3	1·02	26	+ 12	Folkestone	6·5	—	50	•	•	•	•	56·9	•
p St. Leonards	178	69	5th	48	1-3	65·7	52·6	58·8	- 0·7	2	0·33	8	- 9	St. Leonards	7·7	+ 1·7	59	0	45	61·9	•	61·1	•
p Southampton	64	72	7th	47	1, 2	67·7	52·3	59·6	- 0·1	5	0·59	15	- 1	Southampton	6·9	+ 1·2	53	0	37	•	•	•	•
a Ventnor	59	70	6, 7	48	1st	67·3	55·9	60·9	+ 0·4	4	0·72	18	+ 1	Ventnor	6·9	+ 1·1	53	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	72	7th	47	1, 3	66·8	52·5	59·3	+ 0·8	3	0·74	19	+ 5	Richmond	5·1	0·0	39	0	34	59·4	+0·2	58·8	+0·4
a Westminster	27	72	6th	47	1, 3	67·8	52·9	60·0	+ 0·4	4	0·98	25	+ 12	Westminster	5·1	+ 0·6	39	0	41	•	•	•	•
ag Greenwich	149	73	7th	46	3rd	69 0	51·9	60·0	+ 0·6	5	0·91	23	+ 12	Greenwich	5·5	- 0·3	42	0	36	•	•	•	•
a Hampstead	450	70	6th	43	1st	65·1	50·3	57·3	—	4	0·93	24	—	Hampstead	4·6	—	35	—	—	•	•	•	•
ag Camden Square	110	72	6, 7	46	1, 3	69·3	51·9	60·2	+ 0·2	4	0·83	21	+ 7	Camden Square	3·9	- 0·5	30	0	41	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	69	7th	42	6th	60·9	45·3	52·7	- 2·4	3	0·65	16	- 3	Aspatria	5·2	+ 0·1	39	0	40	54·3	-2·7	55·4	-0·1
p Newton Rigg	559	70	6th	39	1st	61·1	43·1	51·7	- 2·3	3	0·23	6	- 10	Newton Rigg	5·2	+ 0·3	39	0	34	55·9	-0·6	55·8	+0·3
p Stonyhurst	376	69	7th	44	2nd	59·0	46·9	52·7	- 2·5	6	2·03	52	+ 30	Stonyhurst	2·8	- 2·0	21	0	39	•	•	•	•
p Blackpool	66	71	7th	48	5th	60·9	51·6	56·0	- 0·4	7	1·35	34	+ 18	Blackpool	3·9	- 1·6	29	0	42	58·0	•	56·8	•
a Southport	37	71	7th	47	1, 5	60·0	50·1	54·8	- 1·6	6	1·30	33	+ 17	Southport	4·1	- 1·3	31	0	41	57,2	-1·7	60·2	+0·7
														Hoylake	3·9	- 1·3	29	•	•	•	•	•	•
a Liverpool (Bidston)	188	69	7th	47	1st	59·1	49·9	54·3	- 2·7	7	1·18	30	+ 16	Liverpool	3·9	—	29	0	41	•	•	•	•
a Hawarden Bridge	22	71	6, 7	46	7th	61·6	49·9	55·5	- 1·9	7	1·21	31	+ 20	Manchester (City)	3·8	- 0·2	29	0	39	57·3	-0·4	60·6	+1·5
p Manchester (Whit. Pk.)	120	73	7th	46	1st	61·3	50·7	55·8	- 1·5	7	1·54	39	+ 26	Whitworth Park	3·3	- 0·7	25	0	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	68	7th	48	4th	59·3	51·9	55·4	- 2·4	5	2·08	53	+ 38	Llandudno	4·0	- 1·6	30	•	•	•	•	•	•
a Holyhead	15	71	7th	50	1st	61·3	51·4	56·1	- 1·0	7	1·11	28	+ 13	Holyhead	4·5	—	34	0	44	•	•	•	•
a Beddgelert	309	70	7th	47	1, 4	60·6	48·6	54·3	—	6	3·73	95	—	Aberdovey	—	—	—	—	•	•	•	•	•
a Aberdovey	52	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.			mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	72	7th	51	4th	63·4	52·7	57·8	—	7	1·93	49	—	Aberystwyth ..	4·2	− 1·0	32	*	*	*	*	*	*
a Rhayader	757	66	6,7	43	4,7	59·6	46·0	52·5	—	7	2·68	68	—	Rhayader ..	4·5	—	34	0	35	*	*	*	*
a St. Ann's Head	149	65	7th	49	1st	61·6	52·6	56·9	− 0·7	5	1·06	27	+ 11	St. Ann's Head	5·1	− 0·2	39	*	*	*	*	*	*
p Cardiff	202	71	6th	44	1st	63·9	49·9	56·6	− 1·5	5	1·34	34	+ 15	Cardiff	4·9	—	37	0	38	59·1	0·0	59·1	+0·3
b. ENGLAND, S.W.																							
a Bath	66	71	6th	43	1st	67·3	49·0	57·7	0·0	3	0·28	7	− 6	Bath	*	*	*	*	*	61·1	0·0	61·0	+0·1
a Shaftesbury	722	66	7th	46	2,3	61·1	50·1	55·3	− 1·7	5	0·60	15	+ 1	Shaftesbury ..	*	*	*	*	*	59·3	*	59·8	*
a Arlington	613	68	6th	46	1st	63·3	51·0	56·9	+ 0·6	7	2·23	57	+ 33										
a Hartland Quay ..	100	68	4,6	54	1,2	64·1	55·7	59·7	—	4	0·99	25	—										
a Newquay	190	71	6th	45	3rd	64·7	53·3	58·7	+ 0·1	6	2·30	58	+ 43	Newquay ..	5·6	− 0·1	43	0	43	61·1	*	59·9	*
a Cullompton	202	72	6th	44	3rd	67·0	50·1	58·1	+ 0·8	6	1·01	26	+ 12	Cullompton ..	4·7	− 0·4	36	0	36	60·3	*	*	*
a Portland Bill	19	66	5th	54	1st	63·3	56·3	59·6	+ 0·3	4	0·51	13	+ 2	Weymouth ..	6·4	—	49	*	*	*	*	*	*
p Plymouth	116	67	4th	45	3rd	64·3	54·3	59·1	+ 0·4	4	1·74	44	+ 29	Plymouth ..	4·3	− 1·4	33	*	*	60·9	+0·4	60·0	*
a Falmouth	167	68	6th	47	3rd	64·7	52·7	58·4	+ 0·1	4	1·76	45	+ 28	Falmouth ..	5·6	− 0·2	43	0	38	63·1	*	62·4	*
9. IRELAND, N.																							
a West .. *a* Malin Head	208	63	7th	48	1,4	56·7	49·6	53·0	− 2·4	4	0·47	12	− 4	Malin Head ..	5·7	—	43	*	*	*	*	*	*
a West .. *a* Blacksod Point ..	327	62	6th	46	1st	58·6	48·7	53·4	− 2·8	2	0·75	19	− 3	Markree Castle	3·7	− 0·5	28	0	32	57·7	−0·9	57·5	+0·6
a West .. *p* Markree Castle ..	122	65	7th	36	3rd	60·6	45·9	52·9	− 1·5	4	0·96	24	+ 4										
b. East .. *p* Armagh	196	64	3rd	40	1st	59·9	45·4	52·3	− 2·6	3	0·79	20	+ 5	Armagh	3·5	− 1·0	26	0	33	56·7	−1·1	56·9	−0·2
b. East .. *a* Donaghadee	101	65	7th	45	1st	59·9	49·1	54·2	− 1·3	4	0·35	9	− 5										
10. IRELAND, S.																							
p Dublin, City	47	65	7th	43	1st	59·9	49·6	54·5	− 2·6	6	0·84	21	+ 9	Trinity Coll. ..	*	*	*	0	36	57·5	−0·9	58·0	+0·4
a Birr Castle	175	68	7th	39	3rd	61·6	45·7	53·3	− 2·2	4	0·91	23	+ 9	Phœnix Park ..	3·7	− 1·4	28	0	34	*	*	*	*
a Kilkenny	212	66	6,7	38	3rd	62·0	46·6	53·9	− 2·1	4	1·41	36	+ 22	Dublin City ..	*	*	*	0	41	*	*	*	*
a Waterford	20	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	2·9	− 1·7	22	0	32	*	*	*	*
p Seskin, Carrick-on-Suir	541	67	6th	41	1st	60·3	48·3	54·0	—	5	1·80	46	—	Seskin	4·0	—	30	0	37	*	*	*	*
a Cahir	199	67	6,7	40	3rd	61·4	48·1	54·4	− 1·9	5	1·92	49	—										
a Foynes	50	67	6th	43	3rd	60·7	48·9	54·5	− 2·1	4	1·96	50	+ 37										
a Cahirciveen (Val. Obs.)	30	71	6th	44	3rd	62·0	50·9	56·2	− 1·2	6	1·37	35	+ 12	Cahirciveen ..	5·7	+ 0·8	43	0	37	*	*	*	*
a Killarney	174	72	6th	40	3rd	64·2	50·5	57·0	− 0·2	7	1·40	36	+ 16	Ballinacurra ..	4·9	+ 0·1	37	*	*	*	*	*	*
a Roche's Point	32	65	6,7	44	3rd	61·9	50·1	55·7	− 1·8	5	2·24	57	+ 40										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	68	6th	53	2nd	64·7	55·3	59·8	+ 0·2	6	1·57	40	+ 26	Scilly	5·9	+ 0·1	45	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	74	4th	53	2nd	68·6	57·1	62·6	+ 1·3	4	0·44	11	− 3	St. Heliers ..	7·9	+ 1·5	60	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	74	4–6	53	2,3	69·4	56·4	62·6	+ 1·4	4	1·14	29	+ 14	Guernsey† ..	7·9	+ 1·5	60	0	44	63·2	+0·8	62·5	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 7th, 1918.

District and Station.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	Mid Time. hr.	Highest Gust. Speed.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	1,2	4	106	56	2	0	349	11	2	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	114	54	0	360	5	2	10	14	2	13	45
Aberdeen	153	105	52	—	—	—	—	43	76	49	0	293	9	1	1	14	2	8	10
Edinburgh	485	39	31	—	—	1	1	43	97	27	0	270	12	1	8	20	2	15	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	1,2	5	49	57	57	0	295	13	2	2	20	1	7	20
Paisley	188	81	15	—	—	—	—	19	98	49	2	337	9	2	9	16	2	8	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	6	73	79	10	349	8	2	14	16	2	14	10
South Shields	72	61	12	—	—	1	1	30	85	52	0	293	11	1	11	19	1	10	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	4, 5	9	63	88	8	0	67	12	5	7	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	86	77	5	0	67	11	4	24	16	1	15	0
Shoeburyness	103	90	‡	—	—	5, 7	3	85	69	11	0	67	12	5	1	20	7	12	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	21	118	29	0	270	7	1	14	15	1	15	25
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	18	149	1	0	—	7	2	14	13	7	12	5
Brighton	261	53	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	1, 2, 7	8	80	72	8	0	113	11	7	12	20	2	14	15
Butler's Cross, S'y Plain	550	43	‡	—	—	1, 2	9	76	83	0	0	270	13	2	15	16	2	13	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	2	113	53	0	259	6	1	15	12	2	12	45
S. Kensington	123	92	30	—	—	—	—	35	91	30	12	247	9	2	13	14	2	13	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	18	52	98	0	293	10	1	13	15	1	13	40
Fleetwood (Cup Anr.) ..	109	44	—	1,2	6	1 to 3	34	41	71	16	0	270	19	1	13	—	—	—	—
Southport	80	62	48	1	4	1,2	37	60	59	8	0	270	18	1	13	23	1	13	5
Holyhead	60	40	‡	—	—	1,2,4,5	69	36	41	22	0	90	16	4	21	22	4	19	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	4	1	80	73	14	0	203	11	4	5	16	5	4	15
Plymouth	185	88	2	—	—	—	—	17	95	56	0	—	7	4	1	11	2	13	35
Lyme Regis	556	61	‡	—	—	—	—	30	57	81	0	—	7	1	13	12	1	16	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	1,2,4,5	48	62	49	9	0	270	15	1	13	—	—	—	—
Quilty	100	40	‡	—	—	1	5	106	33	9	15	—	11	1	17	18	1	21	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	5	1	90	60	17	0	65	11	5	9	19	7	23	5
Weaver Pt.	160	30	‡	—	—	4 to 6	25	84	57	2	0	—	13	5	8	20	4	11	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	52	96	20	0	270	9	7	24	13	1	0	15

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SIXTH WEEK of 1918—September 1st to September 7th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	64	?30	85·9	78·7	82·2	− 2·5	46	− 32	0	0	4	− 1	1·07	27	+ 4	3·6	−1·0	22	1009
Eastern.																			
1. SCOTLAND, EAST ...	68	26	87·9	78·1	82·8	− 2·3	57	− 27	2	+ 2	4	0	0·49	12	+ 1	4·5	−0·3	33	1009
2. ENGLAND, N.E.	72	39	89·3	81·3	85·2	− 1·1	83	− 15	0	0	4	+ 1	0·65	17	+ 6	4·4	−0·6	33	1009
3. ENGLAND, EAST ...	72	38	90·8	82·8	86·6	− 0·7	101	− 10	0	0	5	+ 2	0·83	21	+ 9	4·9	−0·4	37	1011
4. MIDLAND COUNTIES ...	70	40	89·9	81·9	85·7	− 1·0	90	− 13	0	0	6	+ 3	1·43	36	+ 24	4·3	−0·5	32	1011
5. ENGLAND, S.E.	72	39	92·2	83·8	87·8	− 0·1	117	0	0	0	4	+ 1	1·00	25	+ 10	6·3	+0·7	49	1011
Western.																			
6. SCOTLAND, WEST ...	69	33	89·0	79·6	84·1	− 1·5	69	− 21	0	0	3	− 1	0·38	10	− 11	4·0	−1·0	30	1010
7. ENGLAND, N.W.	75	39	88·8	82·3	85·3	− 1·2	85	− 15	0	0	5	+ 1	1·23	31	+ 15	4·2	−0·8	31	1010
8. ENGLAND, S.W.	72	43	90·6	83·7	86·9	− 0·3	106	− 3	0	0	5	+ 1	1·32	34	+ 17	4·9	−0·4	37	1011
9. IRELAND, NORTH ...	68	36	88·3	81·6	84·8	− 1·0	78	− 14	0	0	4	0	0·71	18	+ 1	3·4	−1·0	25	1011
10. IRELAND, SOUTH ...	72	38	89·5	82·5	85·8	− 0·9	92	− 11	0	0	5	+ 1	1·52	39	+ 22	4·3	−0·6	32	1010
11. ENGLISH CHANNEL ...	74	53	92·8	86·5	89·5	+ 0·7	138	+ 9	0	0	5	+ 2	1·05	27	+ 13	7·2	+1·0	55	1012

THE SEASON (Summer).—Aggregates, &c., for the Period of 14 Weeks, June 2nd to September 7th, 1918.

0. SCOTLAND, NORTH ..	64	?30	85·9	78·7	82·2	− 2·5	46	− 32	0	0	4	− 1	1·07	27	+ 4	3·6	−1·0	22	1009
Eastern.																			
1. SCOTLAND, EAST ...	68	26	87·9	78·1	82·8	− 2·3	57	− 27	2	+ 2	4	0	0·49	12	+ 1	4·5	−0·3	33	1009
2. ENGLAND, N.E.	72	39	89·3	81·3	85·2	− 1·1	83	− 15	0	0	4	+ 1	0·65	17	+ 6	4·4	−0·6	33	1009
3. ENGLAND, EAST ...	72	38	90·8	82·8	86·6	− 0·7	101	− 10	0	0	5	+ 2	0·83	21	+ 9	4·9	−0·4	37	1011
4. MIDLAND COUNTIES ...	70	40	89·9	81·9	85·7	− 1·0	90	− 13	0	0	6	+ 3	1·43	36	+ 24	4·3	−0·5	32	1011
5. ENGLAND, S.E.	72	39	92·2	83·8	87·8	− 0·1	117	0	0	0	4	+ 1	1·00	25	+ 10	6·3	+0·7	49	1011
Western.																			
6. SCOTLAND, WEST ...	69	33	89·0	79·6	84·1	− 1·5	69	− 21	0	0	3	− 1	0·38	10	− 11	4·0	−1·0	30	1010
7. ENGLAND, N.W.	75	39	88·8	82·3	85·3	− 1·2	85	− 15	0	0	5	+ 1	1·23	31	+ 15	4·2	−0·8	31	1010
8. ENGLAND, S.W.	72	43	90·6	83·7	86·9	− 0·3	106	− 3	0	0	5	+ 1	1·32	34	+ 17	4·9	−0·4	37	1011
9. IRELAND, NORTH ...	68	36	88·3	81·6	84·8	− 1·0	78	− 14	0	0	4	0	0·71	18	+ 1	3·4	−1·0	25	1011
10. IRELAND, SOUTH ...	72	38	89·5	82·5	85·8	− 0·9	92	− 11	0	0	5	+ 1	1·52	39	+ 22	4·3	−0·6	32	1010
11. ENGLISH CHANNEL ...	74	53	92·8	86·5	89·5	+ 0·7	138	+ 9	0	0	5	+ 2	1·05	27	+ 13	7·2	+1·0	55	1012

THE YEAR 1918.—Aggregates, &c., for the Period of 36 Weeks, December 30th, 1917, to September 7th, 1918.

0. SCOTLAND, NORTH ..	77	5	84·1	78·1	81·0	+ 0·1	1606	− 14	514	− 25	160	− 6	33·23	841	+ 26	3·4	−0·2	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·5	81·2	0·0	1789	− 33	619	+ 2	137	− 5	18·85	478	− 34	4·0	−0·3	30	1014
2. ENGLAND, N.E.	84	9	86·3	79·0	82·5	+ 0·4	2207	+132	394	− 78	118	− 9	14·79	375	− 38	4·5	−0·1	34	1015
3. ENGLAND, EAST ...	92	14	87·1	79·0	82·9	+ 0·2	2390	+ 5	411	− 83	112	−11	16·14	411	+ 20	5·1	+0·1	38	1016
4. MIDLAND COUNTIES ...	89	12	87·4	78·9	83·0	+ 0·5	2435	+ 96	402	−120	115	− 7	17·37	442	+ 1	4·4	−0·1	33	1016
5. ENGLAND, S.E.	90	15	87·5	79·6	83·4	+ 0·1	2532	+ 4	353	− 26	109	−10	17·88	453	+ 29	5·3	+0·1	40	1017
Western.																			
6. SCOTLAND, WEST ...	80	5	85·9	78·8	82·2	+ 0·2	2065	+ 72	374	− 42	143	− 6	26·74	680	− 71	4·3	−0·1	32	1015
7. ENGLAND, N.W.	84	12	86·4	79·7	82·9	+ 0·4	2282	+120	280	−102	125	− 9	21·91	534	− 32	4·7	+0·1	35	1016
8. ENGLAND, S.W.	82	16	86·9	79·9	83·4	+ 0·3	2426	+ 47	256	− 45	119	−14	22·30	569	− 34	5·3	+0·3	40	1017
9. IRELAND, NORTH ...	80	18	86·1	79·5	82·7	+ 0·3	2176	+112	277	− 63	149	−14	21·22	537	− 91	4·1	0·0	31	1014
10. IRELAND, SOUTH ...	84	19	87·3	80·2	83·6	+ 0·4	2506	+123	217	− 43	143	− 1	25·31	642	− 12	4·6	+0·1	35	1016
11. ENGLISH CHANNEL ...	85	26	87·4	81·6	84·4	+ 0·1	2762	+ 43	91	− 14	119	−17	16·10	411	− 74	6·4	+0·5	49	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: September 12th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

EXAMINED BY - -
AUTHORITY FOR ISSUE
ISSUED ON - - -
145
20.9.18

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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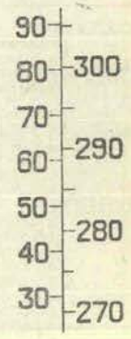
FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 37.

THE THIRTY-SEVENTH WEEK OF 1918.

SUNDAY, SEPTEMBER 8TH, TO SATURDAY, SEPTEMBER 14TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]



Temperature Scales.

The general character of the weather was again very unsettled, temperature being deficient, rainfall heavy or very heavy, and bright sunshine mostly moderate. The path of the depressions was directly across the British Isles, and the mean pressure for the week was therefore low, while the winds, which were generally fresh or strong, attained gale force on several occasions. The mean temperature was below normal in all Districts, the deficit being as much as 3 a. in Scotland North and East. The highest of the maxima was 293 a. over central England on the 14th, but on the same day in the North of Scotland temperature did not rise above 283 a. Screen minima of 274 a. or below were recorded in Scotland and Northern England, also on the 14th, when the thermometer on the grass went down to 270 a. Rainfall exceeded the normal in all Districts; it was not much in excess in Scotland North, but in many parts of England it was five times the normal. Over the greater part of England rain fell every day, and thunder, lightning and hail were reported frequently. Individual falls of 20mm. or more in a day occurred in most parts of Great Britain, generally on the 9th, while at Clifton (Bristol) on the 11th 58mm. fell. Bright sunshine was particularly uniform at about five hours per day over the United Kingdom generally, the divergence from the normal being about + 0·5 hour in the North and East, and — 0·5 hour in the South and West. Solar halos were observed at Aberdeen on the 11th and 14th and at Oxford on each day from the 9th to the 12th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	8	3·7	12	2·8	22	3·1	24	3·0	14	3·4	9	5·3	20	3·6	18	3·0
North	18	5·2	8	2·3	3	1·4	2	1·1	9	4·0	16	4·5	3	4·7	6	4·2
West	19	5·2	21	6·0	27	4·0	26	3·8	24	7·9	28	8·6	22	7·4	25	6·1
East	7	4·3	3	3·0	0	—	1	1·3	4	3·1	0	—	4	5·7	1	5·6
Calm	1	—	3	—	0	—	1	—	0	—	0	—	1	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 2 weeks from Sept. 1st, 1918.	Warmth ...	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1	0, 1, 1	0, 0, 2	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	1, 0, 1
	Rainfall ...	0, 2, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 0, 1	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	2, 0, 0
	Sunshine ...	1, 0, 1	1, 1, 0	0, 2, 0	0, 2, 0	0, 2, 0	0, 2, 0	1, 1, 0	0, 2, 0	0, 2, 0	1, 1, 0	0, 2, 0	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(19351—19.) Wt. 199—789. 625. 9/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands	a Lerwick	54	53	8th	32	14th	50·0	42·4	46·0	- 5·1	6	0·82	21	+ 4									
	p Deerness	160	55	8, 9, 12	36	14th	52·9	45·4	49·0	—	7	1·46	37	+.21	Deerness	3·5	- 0·4	27	•	•	•	•	•	•
	a Stornoway	51	58	10th	36	14th	54·3	42·6	48·2	- 4·2	7	1·15	29	+ 7	Stornoway	6·0	+ 1·7	46	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	56	8, 11, 12	44	14th	54·4	47·7	50·9	—	4	0·40	10	—	Castlebay	7·7	—	59	•	•	•	•	•	•
b. Mainland	a Wick	81	57	9th	35	14th	53·3	44·9	48·9	- 3·4	7	1·70	43	+ 29	Fort Augustus	—	—	—	•	•	•	•	•	•
	p Glencarron	500	58	8	32	—14	53·0	40·7	46·8	- 5·4	6	1·47	37	- 5										
	a Fort Augustus	68	64	8th	28	14th	55·9	38·6	47·0	- 5·1	4	0·01	0·3	- 19										
	p Fort William	171	61	11th	35	14th	57·0	42·7	49·5	- 4·4	5	1·08	27	- 8										
1. SCOTLAND, E.																							
	a Nairn	82	60	9th	34	14th	56·1	39·9	47·6	- 5·4	6	0·46	12	0	Nairn	4·6	—	35	•	•	•	•	•	•
	p Gordon Castle	101	60	8th	35	14th	55·9	42·3	48·8	- 4·7	7	1·81	46	+ 33	Gordon Castle	4·1	—	32	•	•	•	•	•	•
	a Aberdeen	46	61	9th	38	14th	55·9	44·1	49·7	- 3·7	4	1·61	41	+ 29	Aberdeen	5·5	+ 1·2	42	1	29	•	•	53·2	+0·2
	a Balmoral	930	56	9, 11	30	10th	52·3	37·4	44·5	- 5·7	5	0·92	23	+ 11	Balmoral	•	•	•	3	28	•	•	•	•
	p Crieff	432	61	12th	37	14th	57·3	40·6	48·6	- 5·3	4	0·32	8	- 7	Crathes	5·8	+ 1·8	45	3	27	53·4	-1·0	55·2	+0·9
	a Dundee	244	63	11, 12	35	14th	58·0	41·7	49·5	- 4·4	3	1·01	26	+ 15	Dundee	5·4	—	42	1	27	54·6	•	•	•
	a Leith	30	61	8, 9	41	14th	57·6	45·3	51·2	- 3·9	3	0·83	21	+ 12	Leith	•	•	•	0	36	•	•	•	•
	p Edinburgh	441	60	8, 12	41	14th	55·9	44·4	49·9	- 3·8	2	0·87	22	+ 12	Edinburgh	4·7	+ 0·5	36	0	36	•	•	•	•
	a West Linton	769	59	12th	30	14th	54·0	40·6	47·0	- 3·4	6	0·94	24	—	West Linton	3·6	—	28	1	28	•	•	•	•
	p Marchmont	498	61	8th	36	14th	54·7	41·3	47·7	- 5·2	5	1·45	37	+ 24	Marchmont	4·8	+ 0·6	37	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	60	11th	35	14th	57·4	43·0	49·9	—	6	2·46	63	—	Ford (Argyll)	•	•	•	1	27	55·0	•	55·9	—
	p Glasgow Observatory	180	60	12th	39	14th	55·9	44·6	50·0	- 3·6	4	1·13	29	+ 15	Glasgow	5·2	+ 1·5	40	1	30	•	•	•	•
	p Rothesay	200	59	9th	40	14th	55·9	43·9	49·6	- 4·5	6	1·05	27	+ 8	Rothesay	5·4	—	42	0	35	53·7	•	54·6	+0·2
	a Kilmarnock	90	62	9th	37	14th	58·0	45·6	51·5	- 1·5	5	0·81	21	+ 6	Kilmarnock	5·0	—	39	•	•	53·6	•	54·2	•
	a Colmonell	170	60	9, 11	37	14th	58·0	46·3	51·9	- 1·8	7	0·77	20	+ 4	Colmonell	•	•	•	0	35	•	•	•	•
	p Cally, Gatehouse	120	61	12th	37	14th	58·1	43·3	50·3	- 2·5	6	1·17	30	+ 13	Dumfries	4·6	—	36	2	27	54·0	-2·1	55·2	-2·3
	p Dumfries	160	60	8, 12	36	14th	56·4	42·6	49·2	- 5·1	6	0·69	17	+ 5	Eskdalemuir	3·9	—	30	1	27	•	•	•	•
	a Eskdalemuir	794	58	12th	30	14th	53·0	39·4	45·9	—	6	1·61	41	—										
b. I. OF MAN	p Douglas	277	58	8-11	45	12, 14	56·9	46·6	51·5	- 3·1	7	1·26	32	+ 17	Douglas	5·2	- 0·2	40	0	41	•	•	•	•
2. ENGLAND, N.E.																							
a. North	a Alnwick Castle	210	61	9, 12	37	14th	57·3	44·4	50·5	- 3·2	6	1·31	33	+ 23										
	a Tynemouth	71	60	9, 11, 12	41	14th	56·9	46·0	51·2	- 3·2	5	1·12	28	+ 20	Cockle Park	4·8	+ 0·1	37	0	32	50·3	-2·3	53·3	-0·2
	p Durham	336	61	12th	36	14th	56·3	42·6	49·4	- 4·7	7	0·93	24	+ 17	Durham	5·0	+ 0·7	39	2	27	•	•	•	•
	p Rounton	249	64	8th	39	14th	57·6	43·1	50·0	- 3·7	6	1·48	38	+ 30	Rounton	•	•	•	2	29	56·0	•	•	•
	a West Witton	605	59	8, 9	38	14th	54·7	45·3	49·8	—	7	2·19	55	+ 48	West Witton	•	•	•	0	33	54·1	•	53·9	•
	p Scarborough	100	63	8, 9, 10, 12	48	11th	59·7	50·6	54·9	- 1·1	7	1·69	43	+ 35	Scarborough†	5·7	+ 0·8	44	•	•	•	•	52·5	•
	p York	56	63	8th	44	12th	58·6	47·0	52·5	- 3·2	7	1·84	47	+ 40	York	5·1	+ 0·7	40	•	•	56·5	-0·3	56·9	+0·3
b. South	a Spurn Head	26	63	8th	45	12th	59·1	47·9	53·2	- 3·6	6	0·95	24	+ 18	Spurn Head	2·9	—	30	•	•	•	•	•	•
	a Lincoln	58	65	8th	43	12th	61·6	47·9	54·4	- 2·0	6	1·12	28	+ 21	Lincoln	•	•	•	0	39	55·8	-1·2	57·5	+0·4
	a Fulbeck	180	67	14th	45	9, 12	62·3	48·3	55·0	- 1·4	7	0·78	20	+ 13	Rauceby	5·8	+ 0·5	45	•	•	57·0	-1·2	57·1	-0·3
															Skegness	6·2	+ 0·6	48	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	64	14th	44	9, 12	61·6	47·6	54·3	- 3·3	6	0·78	20	+ 12	Cromer	6·1	+ 0·7	47	•	•	•	•	•	•
	a Little Massingham	280	64	14th	42	9, 11, 12	60·9	45·3	52·7	- 3·7	6	0·82	21	+ 11	Lit. Massingham	5·8	+ 0·1	46	•	•	•	•	•	•
	a Yarmouth	13	64	8, 9	45	9, 12	62·3	47·6	54·6	- 2·8	6	0·89	23	+ 14	Yarmouth	6·3	—	50	0	41	58·3	-1·2	59·0	-0·9
	a Norwich	93	65	9th	45	12th	62·9	48·9	55·6	- 1·4	7	1·28	33	+ 23	Norwich	6·3	—	50	0	40	56·9	•	•	•
	a Geldeston	37	65	8, 9	43	9, 12	63·6	46·9	54·9	- 2·2	7	0·99	25	+ 16	Geldeston	5·2	- 0·3	41	•	•	•	•	•	•
	p Cambridge	41	67	14th	44	9th	63·1	47·7	55·0	- 2·1	7	1·40	36	+ 28	Cambridge	5·4	0·0	43	0	37	58·0	-0·3	58·8	-0·1
	a Clacton-on-Sea	54	65	9th	49	9th	62·4	51·4	56·6	- 1·3	6	0·78	20	+ 12	Clacton	5·4	- 0·8	43	0	46	58·2	-0·5	59·6	+0·5
	a Rothamsted	424	62	14th	42	11th	60·1	47·6	53·6	- 2·4	7	0·83	21	+ 12	Rothamsted	5·8	+ 0·4	46	0	34	56·0	•	•	•
	p Tottenham	51	64	8, 9	44	11th	62·3	50·7	56·2	—	7	1·29	33	—	Tottenham	5·0	+ 0·5	44	0	44	•	•	60·2	-0·4
4. MIDLAND COUNTIES.																							
a. North	a Harrogate	479	60	8th	42	12, 14	55·7	44·7	49·9	- 4·4	6	2·54	65	+ 57	Harrogate	5·1	+ 0·4	40	0	37	53·8	-0·6	54·9	+0·2
	p Sheffield	429	62	9	47	9	58·3	46·4	52·3	—	7	2·22	57	—	Sheffield	5·1	+0·9	40	0	35	53·0	-0·7	55·7	+0·3
	p Buxton	987	63	14th	43	11th	56·6	45·6	50·8	—	7	3·15	80	+ 66	Buxton	4·8	—	37	0	39	53·3	-1·5	55·4	+0·5
b. East	a Bawtry	65	63	8, 9	43	12th	59·7	47·9	53·5	- 2·2	7	1·59	40	+ 34	Worksop	5·1	+ 0·8	40	0	32	56·1	•	56·0	•
	a Nottingham	82	67	14th	44	12th	62·3	47·1	54·3	- 1·7	6	0·71	18	+ 11	Nottingham	5·6	+ 1·1	43	0	38	54·6	-1·4	57·6	+0·1
	p Birmingham, Edgbsn.	535	68	14th	41	9th	60·6	46·7	53·3	- 2·7	7	1·46	37	+ 29	Birmingham	5·1	+ 1·2	40	0	40	52·6	-1·1	53·9	+0·3
	a Raunds	203	68	14th	45	9, 11, 12	63·4	47·4	55·0	- 2·0	7	1·02	26	+ 20	Raunds	6·1	—	48	0	36	58·6	•	57·9	•
	p Oxford	208	65	14th	47	9, 11	60·9	48·9	54·6	- 2·3	7	1·74	43	+ 36	Oxford	4·9	- 0·3	39	0	42	•	•	•	•
c. West	a Cheadle (N. Staffs.)	646	63	8, 14	41	9, 12	60·0	45·3	52·3	- 2·4	7	1·84	47	+ 37	Cheadle	•	•	•	0	37	•	•	•	•
	p Tenbury	313	68	14th	46	9-11	61·1	47·3	53·9	- 1·3	6	1·08	27	+ 21	Tenbury	—	—	—	0	42	56·2	•	•	•
	a Hereford	291	67	14th	45	9th	61·1	47·1	53·8	- 2·0	7	0·95	24	+ 17	Malvern	6·1	—	48	0	38	56·8	•	58·8	•
	a Clifton	229	65	14th	48	9, 12	61·1	50·4	55·5	- 2·7	7	4·57	116	+103	Clifton	4·8	—	38	0	46	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	62	14th	45	13th	60·1	48·1	53·8	- 1·0	7	2·69	68	+ 60	Marlborough	5·9	+ 0·2	39	0	35	57·7	•	58·0	•
	p Salisbury (Wilton)	180	64	9th	44	9th	62·2	48·0	54·8	- 1·7	7	2·14	54	+ 46	Salisbury	•	•	•	0	40	60·0	•	•	•
	a Wisley, Surrey	150	64	8, 9	46	9th	62·4	50·3	56·1	- 0·6	6	0·72	18	+ 10	Wisley	5·6	+ 0·2	44	0	37	58·5	+0·4	58·5	-0·1
	a Tunbridge Wells	354	64	8, 9	41	13th	62·3	48·6	55·1	- 2·0	6	1·25	32	+ 23	Tunbridge Wells	4·8	- 1·0	38	0	34	55·3	-0·3	58·6	•
	a Margate	51	66	9th	46	9th	63·1	51·9	57·2	- 2·0	7	0·82	21	+ 13	Margate	4·8	- 0·9	38	0	44	59·6	+0·9	61·7	+2·9
	a Dungeness	21	64	9, 13	50	11, 13	63·0	53·0	57·8	- 0·8	7	1·27	32	+ 24	Folkestone	4·7	—	37	•	•	•	•	56·3	•
	p St. Leonards	178	64	9th	48	13th	62·2	50·5	56·1	- 2·6	7	2·08	53	+ 44	St. Leonards	4·9	- 1·2	39	0	45	59·6	•	60·6	•
	p Southampton	64	64	8th	48	9th	62·6	50·1	56·1	- 2·6	7	1·68	43	+ 34	Southampton	6·3	+ 0·5	50	0	40	•	•	•	•
	a Ventnor	59	63	8, 9, 12, 13	52	12, 13	62·3	54·3	58·1	- 1·7	7	1·80	46	+ 36	Ventnor	5·3	- 0·6	42	•	•	•	•	•	•
LONDON.	p Richmond (Kew Obs.)	18	64	8, 9	48	9th	61·9	50·9	56·1	- 1·3	6	1·14	29	+ 22	Richmond	5·3	+ 0·2	42	0	41	58·1	+0·3	58·3	+0·5
	a Westminster	27	66	8th	48	9th	63·8	51·6	57·4	- 1·2	7	1·08	28	+ 21	Westminster	5·6	+ 1·1	44	0	44	•	•	•	•
	ag Greenwich	149	66	8, 9	47	9, 11	64·4	50·4	57·1	- 1·1	7	0·66	17	+ 6	Greenwich	5·5	+ 0·1	43	0	37	•	•	•	•
	a Hampstead	450	63	8th	45	9th	60·6	48·4	54·2	—	6	1·17	30	—	Hampstead	5·6	—	44	0	40	•	•	•	•
	ag Camden Square	110	68	9th	47	9, 11	65·0	49·9	57·1	- 1·8	7	1·27	32	+ 25	Camden Square	4·7	+ 0·3	37	0	41	•	•	•	•
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	60	8th	41	14th	54·0	45·4	49·5	- 5·0	7	1·73	44	+ 28	Aspatria	3·2	- 1·7	25	0	37	53·7	-1·8	54·7	-0·4
	p Newton Rigg	559	60	8th	38	14th	56·9	43·1	49·7	- 3·6	7	2·35	60	+ 47	Newton Rigg	3·6	- 1·0	23	0	33	55·1	-0·4	55·0	+0·1
	p Stonyhurst	375	58	8, 9, 13	43	12th	55·6	47·7	51·5	- 3·1	7	4·01	102	+ 83	Stonyhurst	3·7	- 0·8	29	0	36	•	•	•	•
	p Blackpool	66	61	9, 13	46	11th	58·1	49·7	53·7	- 2·2	7	2·77	70	+ 56	Blackpool	5·2	+ 0·1	40	0	42	57·3	•	56·1	•
	a Southport	37	61	9th	47	11, 12	58·3	49·9	53·9	- 1·9	7	2·60	66	+ 52	Southport	4·9	- 0·1	38	0	43	56·9	-0·5	55·8	+0·2
															Hoylake	5·0	+ 0·2	39	•	•	•	•	•	•
	a Liverpool (Bidston)	188	61	14th	47	11, 12	58·4	49·0	53·5	- 2·9	7	2·05	52	+ 40	Liverpool	5·1	—	40	0	42	•	•	•	•
	a Hawarden Bridge	22	65	14th	42	9th	61·3	49·1	54·9	- 1·8	7	1·98	50	+ 41	Manchester (City)	3·1	- 0·7	24	0	41	56·4	-0·2	59·4	+1·0
	p Manchester (Whit. Pk.)	125	63	9th	44	12th	60·0	47·0	53·2	- 3·4	7	2·59	66	+ 54	Whitworth Park	1·9	- 1·9	15	•	•	•	•	•	•
b. NORTH WALES.																							
	p Llandudno	16	61	8, 14	48	11th	59·1	50·4	54·5	- 2·8	7	1·37	35	+ 24	Llandudno	4·8	- 0·4	37	•	•	•	•	•	•
	a Holyhead	15	61	13th	49	11, 12	59·7	50·6	54·9	- 1·9	5	1·03	26	+ 13	Holyhead	5·9	—	46	0	45	•	•	•	•
	a Beddgelert	309	59	13, 14	47	11, 12	57·3	48·9	52·9	—	7	3·92	100	—	Aberdovey	—	—	—	•	•	•	•	•	•
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm	mm.		hr.	m.	%		°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES.																						
a Aberystwyth	59	64	8th	50	11-14	59·9	51·4	55·5	—	6	2·62	67	—	Aberystwyth ..	3·8	− 1·6	30	•	•	•	•	•	•
a Rhayader	767	63	14th	45	11, 12	57·1	47·3	52·0	—	7	2·22	56	—	Rhayader ..	5·0	—	39	•	37	•	•	•	•
a St. Ann's Head	149	59	14th	51	11, 12, 14	57·6	52·1	54·7	− 2·4	6	1·51	38	+ 26	St. Ann's Head	4·9	− 0·5	39	•	•	•	•	•	•
p Cardiff	202	62	14th	46	9th	60·1	47·7	53·6	− 2·7	7	3·75	95	+ 81	Cardiff	5·2	—	41	0	41	57·9	+0·3	58·3	+0·1
b, ENGLAND, S.W.																						
a Bath	66	66	14th	48	11-13	61·9	50·1	55·7	− 1·1	7	2·91	74	+ 65	Bath	•	•	•	•	•	60·5	+0·5	60·6	+0·2
a Shaftesbury	722	60	9, 12, 13	45	12th	58·9	47·6	53·0	− 3·2	7	1·60	41	+ 30	Shaftesbury ..	•	•	•	•	•	57·2	•	58·8	•
a Arlington	613	60	8, 13, 14	44	11th	59·0	48·3	53·4	− 2·2	7	3·88	99	+ 81										
a Hartland Quay ..	100	63	14th	51	11th	60·1	53·6	56·7	—	7	2·83	72	—										
a Newquay	190	63	14th	49	11th	60·4	51·9	56·0	− 2·1	6	1·70	43	+ 31	Newquay ..	5·1	− 0·7	49	0	46	59·7	•	59·4	•
a Cullompton	202	66	14th	44	13th	62·1	48·9	55·2	− 1·3	7	2·23	57	+ 47	Cullompton ..	3·7	− 1·5	29	0	37	58·4	•	•	•
a Portland Bill	19	65	8th	54	11th	61·1	55·7	58·3	− 0·5	7	1·57	40	+ 32	Weymouth ..	5·4	—	43	•	•	•	•	•	•
p Plymouth	116	65	11th	51	12-14	62·3	52·1	57·0	− 1·0	7	1·77	45	+ 34	Plymouth ..	5·3	− 0·4	42	•	•	59·3	0·0	59·7	•
a Falmouth	167	63	11th	48	12th	61·4	50·9	55·9	− 1·8	7	2·14	54	+ 41	Falmouth ..	5·2	− 0·6	41	0	46	60·8	•	61·7	•
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	56	9-11	46	10, 11	54·3	48·0	51·0	− 4·2	6	1·04	26	+ 14	Malin Head ..	5·4	—	42	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	57	11, 12	46	10, 11	55·6	47·0	51·1	− 4·9	7	0·71	18	+ 10	Markree Castle	5·0	+ 1·2	39	0	33	56·4	−1·3	56·9	+0·2
{ *p* Markree Castle ..	122	59	8-10, 12	40	9, 11	57·7	42·7	49·8	− 4·2	7	1·83	46	+ 30										
b, East .. { *p* Armagh	196	60	9th	42	9, 12	57·1	43·1	49·8	− 4·6	7	1·20	30	+ 18	Armagh	4·8	+ 0·7	37	0	37	55·6	−1·2	56·1	−0·5
{ *a* Donaghadee	101	60	8, 9	42	11th	57·6	45·4	51·2	− 4·0	7	0·83	21	+ 10										
10. IRELAND, S.																						
p Dublin, City	47	61	8th	45	11, 12	58·0	46·4	51·9	− 4·2	6	1·23	32	+ 23	Trinity Coll. ..	•	•	•	•	•	—	—	—	—
a Birr Castle	175	60	12th	43	10th	58·0	46·1	51·8	− 2·7	7	0·84	21	+ 10	Phœnix Park ..	5·8	+ 0·9	45	0	36	•	•	•	•
a Kilkenny	212	64	14th	41	11th	59·4	45·9	52·3	− 2·7	7	1·10	28	+ 17	Dublin City ..	•	•	•	0	42	•	•	•	•
a Waterford	120	65	14th	43	11th	59·1	46·7	52·6	− 3·4	7	2·68	68	+ 55	Birr Castle ..	4·4	0·0	34	0	37	•	•	•	•
p Seskin, Carrick-on-Suir	541	65	14th	42	11th	58·0	44·7	51·0	—	7	2·58	66	—	Seskin	4·7	—	37	0	38	•	•	•	•
a Cahir	199	65	13th	40	11th	59·4	45·6	52·2	− 3·1	7	1·36	35											
a Foynes	50	59	11, 14	45	11th	57·9	47·7	52·6	− 3·2	7	2·25	57	+ 40										
a Cahirciveen (Val. Obs.)	30	61	14th	48	11th	58·6	49·9	54·0	− 2·8	7	1·94	49	+ 30	Cahirciveen ..	3·5	− 1·2	28	0	45	•	•	•	•
a Killarney	174	64	14th	47	9, 10, 11	59·4	48·5	53·7	− 2·7	7	1·91	49	+ 32	Ballinacurra ..	4·3	− 0·3	34	•	•	•	•	•	•
a Roche's Point	32	64	14th	47	11th	59·0	49·1	53·8	− 2·9	7	1·97	50	+ 36										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	61	11, 13, 14	49	10, 11	60·4	52·1	56·1	− 2·7	6	1·14	29	+ 18	Scilly	5·2	− 0·9	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	14th	52	11th	63·6	54·9	59·0	− 1·4	6	1·38	35	+ 24	St. Heliers ..	6·0	− 0·7	47	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	64	13th	51	9th	62·4	54·1	58·1	− 2·4	7	1·46	37	+ 25	Guernsey† ..	6·2	− 0·5	49	0	49	60·9	−0·6	62·1	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 14th, 1918

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft. *	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	8	6	111	47	4	0	124	12	8	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	13	127	28	0	315	7	10	17	18	10	18	20
Aberdeen	153	105	52	—	—	10, 13	7	68	83	10	0	304	12	10	17	21	10	16	35
Edinburgh	485	39	31	—	—	—	—	88	63	17	0	281	10	10	16	16	10	16	40
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	10	1	76	69	22	0	295	11	10	13	16	10	12	20
Paisley	188	81	15	—	—	—	—	27	125	16	0	315	9	12	14	17	12	13	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	4	105	59	0	270	6	10	15	13	10	13	40
South Shields	72	61	12	—	—	10	3	31	109	25	0	293	13	10	12	19	10	12	20
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	9, 10	2	59	106	1	0	146	14	9	23	—	—	—	—
Gorleston	52	42	‡	9	1	8 to 10, 14	14	87	62	4	0	146	18	9	23	23	9	22	50
Shoeburyness	103	90	‡	—	—	8 to 10, 14	23	111	34	0	0	180	15	9	22	23	10	13	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	73	92	3	0	225	9	14	14	19	9	24	0
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	81	87	0	0	—	10	8	10	24	12	13	50
Brighton	281	53	6	—	—	9 to 11, 14	12	103	53	0	0	—	13	9	21	23	9	23	15
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	8 to 12, 14	37	104	27	0	0	203	16	14	13	29	8	13	25
Butler's Cross, S'y Plain	550	43	‡	—	—	8 to 12, 14	43	101	24	0	0	225	15	9	23	23	8	13	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	39	117	12	0	203	7	14	13	15	8	13	55
S. Kensington	123	92	30	—	—	—	—	25	124	0	19	259	8	10	16	14	8	16	10
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	10	2	38	95	33	0	270	11	10	10	17	10	12	15
Fleetwood (Cup Anr.) ..	109	44	—	12	2	8 to 14	63	64	38	1	0	304	18	12	18	—	—	—	—
Southport	80	62	48	10	6	8 to 13	79	55	27	1	0	259	17	10	6	25	10	8	15
Holyhead	60	40	‡	—	—	8 to 10, 12, 13	51	97	18	2	0	270	14	10	1	29	10	0	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	9, 14	5	8 to 14	67	85	11	0	0	225	21	9	19	28	9	20	20
Plymouth	185	88	2	—	—	8, 9, 14	15	75	75	3	0	—	13	9	17	19	9	18	5
Lyme Regis ..	556	61	‡	—	—	8, 9, 11, 12, 14	17	125	20	6	0	—	14	9	19	19	8	12	0
																	9	18	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	8, 10 to 12, 14	24	112	30	2	0	259	14	12	9	—	—	—	—
Quilty	100	40	‡	—	—	9 to 12	32	71	29	4	32	—	14	11	10	19	11	10	10
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	118	42	6	2	260	10	10	8	19	10	10	0
Weaver Pt.	160	30	‡	—	—	8, 12, 13	8	103	57	0	0	—	14	13	23	20	12	19	10
11. ENGLISH CHANNEL																			
Scilly ..	150	32	‡	—	—	8 to 12	56	81	31	0	0	293	17	9	19	30	10	5	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. (Vide Guide to Tables of the W.W.R.)
‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SEVENTH WEEK of 1918—September 8th to September 14th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	64	28	85·3	78·7	81·8	− 2·9	41	− 32	0	0	5	+ 1	1·13 ~~0·95~~	24 ~~9~~	+ 8 ~~8~~	4·8	+0·9	37	994
Eastern.																			
1. SCOTLAND, EAST ...	61	30	86·1	78·2	81·9	− 2·8	45	− 33	2	+ 2	5	+ 2	1·04	26	+ 14	5·1	+0·9	39	994
2. ENGLAND, N.E.	67	36	87·9	81·0	84·3	− 1·5	72	− 20	0	0	6	+ 4	1·25	32	+ 25	5·4	+0·5	42	996
3. ENGLAND, EAST ...	67	42	89·7	82·0	85·7	− 1·1	90	− 14	0	0	7	+ 5	1·01	26	+ 17	5·6	+0·2	44	1001
4. MIDLAND COUNTIES ...	68	41	88·9	81·5	85·0	− 1·2	81	− 15	0	0	7	+ 5	1·75	44	+ 36	5·1	+0·3	40	1000
5. ENGLAND, S.E.	66	41	89·8	83·3	86·4	− 1·0	99	− 12	0	0	7	+ 5	1·56	40	+ 32	5·3	−0·5	42	1003
Western.																			
6. SCOTLAND, WEST ...	62	35	86·9	79·9	83·3	− 1·9	60	− 24	0	0	6	+ 3	1·17	30	+ 13	5·2	+0·6	40	996
7. ENGLAND, N.W.	65	38	87·5	81·9	84·6	− 1·6	76	− 19	0	0	7	+ 4	2·20	56	+ 43	4·2	−0·5	33	998
8. ENGLAND, S.W.	66	44	88·7	83·1	85·7	− 1·1	90	− 14	0	0	7	+ 4	2·36	60	+ 48	4·7	−0·6	37	1002
9. IRELAND, NORTH ...	60	40	86·7	80·4	83·4	− 2·2	62	− 27	0	0	7	+ 3	1·08	27	+ 13	4·7	+0·7	37	997
10. IRELAND, SOUTH ...	65	40	87·9	81·5	84·6	− 1·6	76	− 21	0	0	7	+ 4	1·70	43	+ 30	4·1	−0·6	32	1001
11. ENGLISH CHANNEL ...	66	49	89·7	85·1	87·3	− 1·1	110	− 14	0	0	6	+ 3	1·33	34	+ 23	5·8	−0·8	46	1006

THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, September 1st to September 14th, 1918.

0. SCOTLAND, NORTH ...	64	28	85·5	79·0	82·1	− 2·5	87	− 64	0	0	9	0	2·~~02~~ 20	51 ~~6~~	+ 7 ~~12~~	~~3·9~~ 4·2	+0·~~0~~ 3	~~29~~ 31	1002
Eastern.																			
1. SCOTLAND, EAST ...	68	26	87·0	78·2	82·4	− 2·5	102	− 60	4	+ 4	9	+ 2	1·53	38	+ 15	4·8	+0·3	36	1002
2. ENGLAND, N.E.	72	36	88·6	81·2	84·8	− 1·3	155	− 35	0	0	10	+ 5	1·90	49	+ 31	4·9	−0·1	38	1003
3. ENGLAND, EAST ...	72	38	90·3	82·4	86·2	− 0·9	191	− 24	0	0	12	+ 7	1·84	47	+ 26	5·2	−0·2	40	1006
4. MIDLAND COUNTIES ...	70	40	89·4	81·7	85·4	− 1·1	171	− 28	0	0	13	+ 8	3·18	80	+ 60	4·7	−0·1	36	1006
5. ENGLAND, S.E.	72	39	91·0	83·6	87·1	− 0·6	216	− 12	0	0	11	+ 6	2·56	65	+ 42	5·8	+0·1	45	1007
Western.																			
6. SCOTLAND, WEST ...	69	33	88·0	79·8	83·7	− 1·7	129	− 45	0	0	9	+ 2	1·55	40	+ 2	4·6	−0·2	35	1003
7. ENGLAND, N.W.	74	38	88·2	82·1	85·0	− 1·4	161	− 34	0	0	12	+ 5	3·43	87	+ 58	4·2	−0·7	32	1004
8. ENGLAND, S.W.	72	43	89·7	83·4	86·3	− 0·7	196	− 17	0	0	12	+ 5	3·68	94	+ 65	4·8	−0·5	37	1007
9. IRELAND, NORTH ...	68	36	87·5	81·0	84·1	− 1·6	140	− 41	0	0	11	+ 3	1·79	45	+ 14	4·1	−0·1	31	1004
10. IRELAND, SOUTH ...	72	38	88·7	82·0	85·2	− 1·3	168	− 32	0	0	12	+ 5	3·22	82	+ 52	4·2	−0·6	32	1006
11. ENGLISH CHANNEL ...	74	49	91·3	85·8	88·4	− 0·2	248	− 5	0	0	11	+ 5	2·38	61	+ 36	6·5	+0·1	50	1009

THE YEAR 1918.—Aggregates, &c., for the Period of 37 Weeks, December 30th, 1917, to September 14th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·1	81·0	0·0	1647	− 46	514	− 25	165	− 5	34·~~18~~ 36	865 ~~70~~	+ ~~29~~ 34	3·5	−0·1	·26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·2	77·5	81·2	− 0·1	1834	− 66	621	+ 4	142	− 3	19·89	504	− 20	4·0	−0·3	30	1013
2. ENGLAND, N.E.	84	9	86·3	79·1	82·5	+ 0·3	2279	+112	394	− 78	124	− 5	16·04	407	− 13	4·5	−0·1	34	1015
3. ENGLAND, EAST ...	92	14	87·1	79·1	82·9	+ 0·1	2480	− 9	411	− 83	119	− 6	17·15	437	+ 37	5·1	+0·1	39	1016
4. MIDLAND COUNTIES ...	89	12	87·5	79·0	83·0	+ 0·4	2516	+ 81	402	−120	122	− 2	19·12	486	+ 37	4·4	−0·1	33	1016
5. ENGLAND, S.E.	90	15	87·5	79·7	83·4	0·0	2631	− 8	353	− 26	116	− 5	19·44	493	+ 61	5·3	+0·1	40	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	86·0	78·9	82·3	+ 0·2	2125	+ 48	374	− 42	149	− 3	27·91	710	− 58	4·3	−0·1	32	1014
7. ENGLAND, N.W.	84	12	86·4	79·7	82·9	+ 0·3	2358	+101	280	−102	132	− 5	23·13	589	+ 10	4·7	+0·1	35	1015
8. ENGLAND, S.W.	82	16	87·0	80·0	83·4	+ 0·2	2516	+ 33	256	− 45	126	−10	24·66	629	+ 14	5·3	+0·3	40	1016
9. IRELAND, NORTH ...	80	18	86·1	79·5	82·7	+ 0·3	2238	+ 85	277	− 63	156	−11	22·30	564	− 78	4·1	+0·1	31	1014
10. IRELAND, SOUTH ...	84	19	87·3	80·2	83·6	+ 0·3	2582	+102	217	− 43	150	+ 3	27·01	685	+ 18	4·6	+0·1	35	1016
11. ENGLISH CHANNEL ...	85	26	87·5	81·7	84·5	+ 0·1	2872	+ 29	91	− 14	125	−14	17·43	445	− 51	6·4	+0·4	49	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: September 19th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 38.

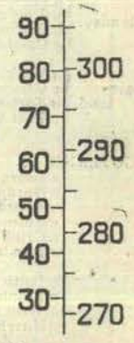
THE THIRTY-EIGHTH WEEK OF 1918.

SUNDAY, SEPTEMBER 15TH, TO SATURDAY, SEPTEMBER 21ST, 1918.

Price 6d., Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the United Kingdom was very unsettled. Barometric pressure was high over the Icelandic region and also over Southern Europe, while a series of depressions passed over these Islands from the Atlantic towards Northern Europe. South-Westerly winds prevailed over the greater part of the Kingdom, but over Scotland and the north of Ireland, particularly during the first three days, a north-easterly to easterly current was blowing. Temperature was below normal in Scotland and Ireland, above it over the greater part of England. Maxima of 294 a. were recorded over the greater part of England on the 16th or 17th, but over Central Scotland on the 16th the thermometer did not exceed 279 a. or 280 a. Low minima were recorded in the last named region on the morning of the 15th, readings of about 273 a. being common, the lowest, 269 a., was at Balmoral, where the grass thermometer went down to 266 a. Rainfall was heavy in all Districts, being nearly six times the normal for the week in England North-West and over four times the normal in Scotland West; the smallest divergencies were in Scotland North and the Channel Islands, where the fall was less than twice the normal. Individual falls of between 20mm. and 50mm. in a day occurred on the 15th in most Districts, while amounts of over 50mm. were recorded over the south of Scotland, the Isle of Man, the extreme north of England and locally in Snowdonia; the figure 119mm. at Douglas, Isle of Man, is the largest recorded at that station since its commencement in 1878. For the Midland Counties the excess of rainfall for the three weeks ended September 21st was 100mm., for England South-West it was 105mm. and for England North-West 125mm. There was a deficiency of bright sunshine in nearly all Districts. Thunderstorms or thunder and lightning singly were reported about the middle of the week over the eastern half of Great Britain and at a few stations elsewhere. Solar halos were observed at Oxford on the 18th, 19th, 20th, and lunar halos at Cambridge on the 15th, at Oxford on the 17th, at Llandudno on the 18th and at Yarmouth on the 21st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	3·1	17	4·7	23	3·5	24	3·8	23	5·9	18	5·5	27	5·1	17	4·4
North	15	3·1	6	2·2	2	4·2	1	0·9	3	2·1	7	5·0	0	—	8	1·7
West	8	2·7	14	5·1	20	4·1	25	2·5	24	6·0	19	6.3	20	5·5	20	5·7
East	16	5·3	11	3·7	4	3·3	0	—	2	3·4	3	2·1	4	2·1	5	1·3
Calm	3	—	3	—	0	—	3	—	0	—	0	—	1	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very deficient	Very deficient	Moderate	Unusual	Moderate	Unusual	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate
Rainfall ...	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Heavy
Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 3 weeks from Sept. 1st, 1918. Warmth ...	0, 0, 3	0, 0, 3	0, 1, 2	1, 1, 1	0, 2, 1	1, 1, 1	0, 0, 3	0, 1, 2	0, 2, 1	0, 0, 3	0, 1, 2	1, 1, 1
Rainfall ...	1, 2, 0	2, 1, 0	3, 0, 0	3, 0, 0	3, 0, 0	3, 0, 0	2, 0, 1	3, 0, 0	3, 0, 0	2, 1, 0	3, 0, 0	3, 0, 0
Sunshine ...	1, 1, 1	1, 1, 1	0, 3, 0	0, 3, 0	0, 3, 0	0, 3, 0	1, 1, 1	0, 2, 1	0, 2, 1	1, 1, 1	0, 3, 0	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(19458—19.) Wt. 199—789. 625. 9/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	52	18, 19	32	16th	48·1	37·7	42·7	- 7·2	5	1·00	25	+ 12										
a, Islands .. p Deerness	160	56	18th	37	15th	50·6	41·7	45·9	—	5	0·87	22	+ 9	Deerness	2·9	- 0·2	23	•	•	•	•	•	•
a, Islands .. a Stornoway	31	57	19th	32	21st	52·3	40·9	46·3	- 4·9	7	1·91	48	+ 30	Stornoway	3·0	- 0·4	24	•	•	•	•	•	•
a, Islands .. a Castlebay, Barra Isd.	37	56	17th	44	15, 17	53·6	46·4	49·8	—	5	0·88	22	—	Castlebay	2·2	—	18	•	•	•	•	•	•
b, Mainland. a Wick	81	58	18th	31	21st	51·7	39·9	45·5	- 5·6	6	1·04	23	+ 15										
b, Mainland. p Glencarron	500	55	17th	29	15th	50·3	38·7	44·2	- 6·6	7	2·07	53	+ 19										
b, Mainland. a Fort Augustus	68	59	17th	30	15th	53·4	41·6	47·2	- 4·7	5	1·43	36	+ 21	Fort Augustus	—	—	—	•	•	•	•	•	•
b, Mainland. p Fort William	171	61	17th	33	15th	54·4	42·4	48·1	- 4·6	7	1·71	43	+ 15										
1. SCOTLAND, E.																							
a Nairn	82	60	18th	27	15th	53·0	37·1	44·7	- 7·0	6	0·96	24	+ 11	Nairn	3·1	—	25	•	•	•	•	•	•
p Gordon Castle	101	61	19th	31	15th	53·1	38·6	45·5	- 6·7	6	1·24	31	+ 16	Gordon Castle	2·5	—	20	•	•	•	•	•	•
a Aberdeen	46	60	18th	33	15th	54·9	42·3	48·3	- 3·8	6	1·85	47	+ 34	Aberdeen	2·9	- 0·9	24	1	24	•	•	51·9	- 0·6
a Balmoral	930	56	18, 19	24	15th	49·6	35·9	42·4	- 6·5	7	2·04	52	+ 38	Balmoral	•	•	•	1	20	•	•	•	•
p Crieff	432	58	18th	31	15th	52·4	40·0	45·9	- 6·7	7	3·54	90	+ 73	Crathes	2·8	- 0·7	23	1	22	50·7	- 3·0	53·5	- 0·3
a Dundee	244	58	18th	31	15th	54·3	39·4	46·5	- 5·9	5	1·79	45	+ 33	Dundee	2·8	—	23	2	23	51·3	•	•	•
a Leith	30	63	17th	43	15th	56·6	45·4	50·7	- 3·1	6	2·32	59	+ 49	Leith	•	•	•	0	36	•	•	•	•
p Edinburgh	441	63	17th	39	15th	55·1	44·1	49·3	- 3·2	6	2·48	63	+ 52	Edinburgh	3·6	- 0·1	29	1	26	•	•	•	•
a West Linton	769	60	17th	29	15th	53·6	39·4	46·2	- 2·9	6	2·15	55	—	West Linton	2·3	—	19	1	25	•	•	•	•
p Marchmont	498	61	17th	32	15th	54·1	42·6	48·1	- 3·5	6	2·98	76	+ 62	Marchmont	2·6	- 1·1	21	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	59	17th	34	15th	54·3	43·2	48·5	—	7	1·56	40	—	Ford (Argyll)	•	•	•	1	24	52·5	•	54·7	•
p Glasgow Observatory	180	58	17th	38	15th	52·9	43·7	48·1	- 4·5	7	3·42	87	+ 70	Glasgow	2·6	- 0·5	21	0	34	•	•	•	•
p Rothesay	200	57	17, 18	40	15, 16	52·9	44·1	48·3	- 4·8	7	1·82	46	+ 23	Rothesay	2·5	—	20	0	37	50·4	•	53·2	- 0·6
a Kilmarnock	90	62	17th	34	15th	56·4	43·6	49·7	- 2·3	7	3·13	80	+ 62	Kilmarnock	2·3	—	19	•	•	50·8	•	53·1	•
a Colmonell	170	62	17th	44	15, 21	57·1	45·7	51·1	- 1·6	6	2·83	72	+ 53	Colmonell	•	•	•	0	39	•	•	•	•
p Cally, Gatehouse	120	62	17th	40	21st	55·7	44·6	50·0	- 1·8	6	4·16	106	+ 85	Dumfries	2·7	—	22	0	37	52·0	- 2·6	53·8	- 2·9
p Dumfries	160	62	17th	43	15, 20	55·9	46·3	50·9	- 2·4	6	3·63	92	+ 78	Eskdalemuir	1·9	—	15	0	32	•	•	•	•
a Eskdalemuir	794	61	17th	37	19th	52·7	40·9	46·5	—	7	4·97	126	—										
b, I. OF MAN p Douglas	277	60	17th	45	20th	57·1	49·1	52·9	- 0·7	6	6·44	163	+145	Douglas	3·0	- 1·5	29	0	42	•	•	•	•
2. ENGLAND, N.E																							
a North .. a Alnwick Castle	210	69	17th	36	15th	57·7	43·7	50·4	- 2·1	6	3·08	78	+ 66										
a North .. a Tynemouth	71	67	17th	43	15th	58·3	47·6	52·7	- 0·5	7	2·95	75	+ 65	Cockle Park	4·0	- 0·1	33	0	37	49·1	- 2·7	51·4	- 1·5
a North .. p Durham	336	66	17th	41	15th	58·3	46·6	52·2	- 0·8	7	2·16	55	+ 45	Durham	4·1	+ 0·4	33	0	36	•	•	•	•
a North .. p Rounton	249	68	17th	43	15th	60·1	47·6	53·6	+ 1·2	7	1·81	46	+ 37	Rounton	•	•	•	0	33	54·2	•	•	•
a North .. a West Witton	605	67	17th	41	15th	59·3	46·1	52·4	—	7	2·76	70	—	West Witton	•	•	•	0	39	52·2	•	52·8	•
a North .. p Scarborough	100	69	16, 17	50	15, 20	63·6	52·7	57·9	+ 3·2	7	1·94	49	+ 39	Scarborough†	4·4	+ 0·1	36	•	•	•	•	52·5	•
a North .. p York	56	70	17th	45	15th	61·9	50·4	55·9	+ 1·6	6	1·73	44	+ 35	York	3·2	- 0·7	26	•	•	55·6	- 0·3	56·1	0·0
b, South .. a Spurn Head	26	67	17th	47	20th	61·6	50·3	55·7	+ 0·2	6	1·14	29	+ 21	Spurn Head	4·0	—	33	•	•	•	•	•	•
b, South .. a Lincoln	58	72	17th	44	20th	63·7	50·5	56·8	+ 1·9	5	1·05	27	+ 19	Lincoln	•	•	•	0	41	56·1	+ 0·4	56·6	+ 0·1
b, South .. a Fulbeck	180	70	17th	43	20th	63·6	50·1	56·5	+ 1·5	6	1·18	30	+ 21	Rauceby	4·9	+ 0·3	40	•	•	57·1	+ 0·3	56·3	- 0·5
														Skegness	5·4	+ 0·5	44	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	72	16th	44	20th	65·1	50·6	57·5	+ 1·1	6	1·63	41	+ 33	Cromer	5·4	+ 0·5	44	•	•	•	•	•	•
a Little Massingham	280	70	16th	41	20th	64·3	48·7	56·1	+ 1·0	5	2·15	55	+ 45	Lit. Massingham	4·9	+ 0·3	40	•	•	•	•	•	•
a Yarmouth	13	74	16th	46	20th	66·3	52·1	58·9	+ 2·8	6	0·74	19	+ 10	Yarmouth	6·8	—	55	0	43	59·0	+ 0·9	58·1	- 1·1
a Norwich	93	72	16th	45	20th	65·6	52·0	58·5	+ 2·8	5	0·91	23	+ 13	Norwich	6·0	—	49	0	42	57·8	•	•	•
a Geldeston	37	74	16th	43	20th	67·0	50·7	58·5	+ 2·7	5	0·57	15	+ 6	Geldeston	5·8	+ 0·8	47	•	•	•	•	•	•
p Cambridge	41	71	17th	44	20th	66·3	51·7	58·7	+ 2·9	5	2·31	59	+ 52	Cambridge	5·0	+ 0·1	41	0	37	58·9	+ 1·9	58·2	0·0
a Clacton-on-Sea	54	68	16, 17	47	20th	64·4	54·9	59·4	+ 2·8	6	0·71	18	+ 10	Clacton	6·6	+ 0·9	54	0	46	58·8	+ 1·1	58·9	+ 0·3
a Rothamsted	424	68	17th	43	20th	62·9	50·4	56·4	+ 1·7	6	1·67	42	+ 33	Rothamsted	4·9	0·0	40	0	37	56·7	•	•	•
p Tottenham	51	69	15, 17	46	20th	65·7	53·1	59·1	—	4	1·59	40	—	Tottenham	5·1	—	41	0	42	•	•	59·5	- 0·4
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	66	16, 17	42	15th	60·4	46·7	53·2	+ 0·4	7	2·31	59	+ 49	Harrogate	3·4	- 0·8	28	0	39	52·9	- 0·7	53·8	- 0·3
a North .. p Sheffield	429	67	17	35	15	61·8	49·9	55·2	—	7	2·23	60	—	Sheffield	4·7	+ 0·4	34	0	41	54·5	- 0·1	55·0	+ 0·1
a North .. p Buxton	987	65	16th	42	20th	58·3	47·7	52·8	—	7	2·08	53	+ 36	Buxton	3·7	—	30	0	41	53·2	- 0·2	54·3	- 0·1
b, East .. a Bawtry	65	69	17th	45	15th	61·7	47·7	54·4	+ 0·2	6	1·83	46	+ 38	Worksop	3·9	0·0	24	0	38	55·7	—	55·3	—
b, East .. a Nottingham	82	70	17th	43	20th	63·3	49·0	55·8	+ 1·3	6	1·11	28	+ 19	Nottingham	4·1	+ 0·1	33	0	38	56·0	+ 1·2	56·9	+ 0·1
b, East .. p Birmingham, Edgbsn.	535	66	16, 17	43	20th	61·3	50·1	55·4	+ 0·9	7	1·66	42	+ 32	Birmingham	3·3	- 0·2	27	0	37	53·6	+ 0·6	53·4	+ 0·2
b, East .. a Raunds	203	70	17, 18	42	20th	65·1	50·3	57·3	+ 1·8	7	1·10	28	+ 20	Raunds	4·6	—	37	0	33	58·4	•	57·5	•
b, East .. p Oxford	208	68	17th	43	20th	63·4	51·3	57·1	+ 1·7	5	1·09	28	+ 19	Oxford	4·5	- 0·1	37	0	40	•	•	•	•
c, West .. a Cheadle (N. Staffs.)	646	65	18th	39	20th	60·3	46·9	53·3	+ 0·1	6	1·96	50	+ 37	Cheadle	•	•	•	0	36	•	•	•	•
c, West .. p Tenbury	313	66	16, 17	42	20th	62·6	50·0	56·0	+ 2·3	7	2·22	56	+ 48	Tenbury	—	—	—	0	38	56·8	•	•	•
c, West .. a Hereford	291	64	16, 18	42	20th	61·1	49·6	55·1	+ 0·8	7	3·05	77	+ 68	Malvern	3·8	—	31	0	37	57·2	•	57·9	•
c, West .. a Clifton	229	68	17th	46	20th	63·1	53·6	58·1	+ 1·4	6	3·45	88	+ 71	Clifton	4·1	—	33	0	42	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	66	17th	42	20th	62·1	51·0	56·3	+ 2·9	6	1·66	42	+ 32	Worthing	6·2	+ 0·5	50	0	42	60·5	+ 2·3	59·4	+ 0·1
p Salisbury (Wilton)	180	67	17th	39	20th	63·6	50·1	56·5	+ 1·4	6	1·40	36	+ 26	Marlborough	4·0	- 0·4	33	0	36	58·0	•	57·1	•
a Wisley, Surrey	150	69	17th	45	20th	64·7	51·7	57·9	+ 2·6	4	2·24	57	+ 47	Salisbury	•	•	•	0	35	59·6	•	•	•
a Tunbridge Wells	354	69	17th	43	20th	64·7	52·9	58·5	+ 2·8	5	1·46	37	+ 26	Wisley	5·0	+ 0·1	41	0	36	58·4	+ 1·6	58·0	+ 0·2
a Margate	51	72	16th	47	20th	67·3	55·3	61·0	+ 3·2	5	1·14	29	+ 19	Tunbridge Wells	4·8	- 0·5	39	0	37	55·6	+ 1·1	58·1	•
a Dungeness	21	68	17th	47	20th	65·0	55·7	60·1	+ 2·9	2	0·55	14	+ 4	Margate	6·4	+ 1·2	52	0	43	60·6	+ 3·0	60·8	+ 2·6
p St. Leonards	178	68	17, 18	45	20th	63·8	54·6	58·9	+ 1·6	5	1·40	36	+ 25	Folkestone	6·7	—	54	•	•	•	•	56·0	•
p Southampton	64	68	17th	43	20th	64·1	53·1	58·3	+ 1·0	7	1·83	46	+ 35	St. Leonards	6·6	+ 1·0	54	0	41	60·6	•	59·8	•
a Ventnor	59	68	17th	50	19th	64·1	56·0	59·9	+ 1·5	4	1·91	49	+ 37	Southampton	4·6	- 0·7	37	0	33	•	•	•	•
														Ventnor	5·3	+ 0·3	46	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	70	15th	45	20th	65·2	50·6	57·6	+ 1·6	6	2·40	61	+ 52	Richmond	4·9	+ 0·2	40	0	37	58·3	+ 1·8	57·4	+ 0·2
a Westminster	27	71	17th	46	20th	66·3	53·6	59·7	+ 2·5	7	1·68	43	+ 35	Westminster	5·1	+ 1·0	41	0	40	•	•	•	•
ag Greenwich	149	72	17th	45	20th	67·7	52·4	59·7	+ 2·8	5	1·36	35	+ 24	Greenwich	6·0	+ 1·0	49	0	38	•	•	•	•
a Hampstead	450	68	17th	48	20, 21	63·6	52·9	58·0	—	6	2·60	66	—	Hampstead	5·0	—	41	0	39	•	•	•	•
ag Camden Square	110	72	17th	43	20th	67·7	52·1	59·5	+ 2·0	7	2·09	53	+ 44	Camden Square	4·4	+ 0·4	36	0	40	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	17th	41	15th	55·4	45·7	50·3	- 3·0	6	4·77	121	+104	Aspatria	2·9	- 1·6	24	0	40	51·3	- 3·0	53·2	- 1·4
p Newton Rigg	559	64	17th	41	15, 19	56·1	44·4	50·0	- 2·1	7	4·18	106	+ 92	Newton Rigg	2·4	- 1·8	20	0	35	52·8	- 1·8	53·9	- 0·4
p Stonyhurst	375	66	17th	45	15, 20	59·6	48·0	53·5	+ 0·1	7	3·78	96	+ 76	Stonyhurst	3·1	- 1·0	25	0	41	•	•	•	•
p Blackpool	66	68	17th	46	15th	60·3	50·3	55·1	+ 0·4	7	3·15	80	+ 65	Blackpool	3·6	- 1·1	29	0	36	55·9	•	55·4	•
a Southport	37	65	16, 17	47	15th	59·9	50·0	54·7	+ 0·1	7	3·03	77	+ 62	Southport	3·5	- 1·0	28	0	41	56·1	+ 0·1	57·7	0·0
a Liverpool (Bidston)	188	66	16, 17	46	20th	60·0	49·4	54·5	- 0·7	7	2·17	55	+ 42	Hoylake	3·3	+ 1·1	27	•	•	•	•	•	•
a Hawarden Bridge	22	70	16, 17	48	21st	63·0	51·4	56·9	+ 1·4	7	1·26	32	+ 22	Liverpool	3·2	—	26	0	44	•	•	•	•
p Manchester (Whit. Pk.)	126	68	16, 17	47	15, 16, 20	62·1	49·9	55·7	+ 0·3	7	2·76	70	+ 58	Manchester (City)	2·6	- 0·9	21	0	44	55·5	- 0·1	57·9	+ 0·1
					21		51·3	56·4	1·0					Whitworth Park	2·7	- 0·7	22	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	67	16th	48	20th	61·7	52·6	56·9	+ 0·8	7	2·24	57	+ 45	Llandudno	4·3	- 0·5	35	•	•	•	•	•	•
a Holyhead	15	63	17th	48	20, 21	59·1	51·1	54·9	- 0·7	7	3·98	101	+ 87	Holyhead	3·7	—	30	0	44	•	•	•	•
a Beddgelert	309	63	17th	42	20th	59·3	49·9	54·4	—	7	9·52	242	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																						
a Aberystwyth	59	64	16,17	50	19-21	60·7	52·7	56·5	—	6	2·11	54	—	Aberystwyth ..	3·0	- 2·0	24	•	•	•	•	•	•
a Rhayader	767	66	17th	43	20th	59·9	49·9	54·7	—	7	2·67	68	—	Rhayader ..	4·1	—	33	0	38	•	•	•	•
a St. Ann's Head	149	61	17, 18	50	19th	58·7	54·6	56·6	+ 0·6	6	1·97	50	+ 36	St. Ann's Head ..	3·8	- 1·2	31	•	•	•	•	•	•
p Cardiff	202	68	17th	43	20th	62·4	51·6	56·7	+ 1·5	7	3·05	77	+ 61	Cardiff	3·3	—	27	0	38	58·4	+2·0	57·8	+0·4
b, ENGLAND, S.W.																							
a Bath	66	68	18th	46	20th	64·6	53·0	58·5	+ 2·8	6	1·89	48	+ 38	Bath	•	•	•	•	•	60·5	+1·8	60·0	+0·3
a Shaftesbury	722	69	19th	42	20th	61·7	50·6	55·9	+ 0·8	6	1·39	35	+ 23	Shaftesbury ..	•	•	•	•	•	57·4	•	57·5	•
a Arlington	613	63	16, 17	44	19th	60·9	51·5	55·6	+ 1·1	7	3·01	76	+ 55									57·5	
a Hartland Quay ..	100	64	16, 17	52	19-21	60·9	56·4	58·5	—	6	1·47	37	—									57·5	
a Newquay	190	65	16, 17	48	20th	61·7	54·1	57·7	+ 0·7	7	1·91	49	+ 35	Newquay ..	3·1	- 2·2	25	0	44	59·8	•	58·8	•
a Cullompton	202	66	18th	41	20th	63·0	51·3	56·9	+ 1·5	7	2·15	55	+ 44	Cullompton ..	3·2	- 1·6	26	0	34	58·5	•	•	•
a Portland Bill	19	64	17, 18	53	19, 21	61·3	56·3	58·7	+ 1·0	6	1·22	31	+ 21	Weymouth ..	4·6	—	37	•	•	•	•	•	•
p Plymouth	116	63	17th	47	20th	61·0	54·7	57·7	+ 0·8	7	2·20	56	+ 44	Plymouth ..	3·4	- 1·9	28	•	•	59·1	+1·0	59·0	•
a Falmouth	167	65	18th	46	20th	61·7	52·9	57·1	+ 0·5	7	1·57	40	+ 25	Falmouth ..	3·1	- 2·3	25	0	41	61·0	•	61·2	•
9. IRELAND, N.																							
a West .. *a* Malin Head	208	60	17th	45	19, 21	54·9	45·9	50·2	- 4·1	7	0·98	25	+ 11	Malin Head ..	3·0	—	24	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	327	59	16th	44	20th	54·6	46·7	50·5	- 4·6	7	2·85	75	+ 55	Markree Castle	2·7	- 1·0	22	0	34	55·0	-1·7	56·1	-0·2
a West .. *p* Markree Castle ..	122	65	17th	37	20th	58·3	45·0	51·3	- 1·8	7	3·50	89	+ 71										
b, East .. *p* Armagh	196	63	17th	39	20th	56·9	45·1	50·7	- 2·8	7	2·48	63	+ 50	Armagh	3·7	- 1·2	22	0	35	53·8	-2·1	55·0	-1·0
b, East .. *a* Donaghadee	101	62	17th	40	20th	56·6	44·4	50·2	- 4·1	6	2·24	57	+ 44										
10. IRELAND, S.																							
p Dublin, City	47	66	16th	42	20th	60·3	49·9	54·9	- 0·5	6	2·04	52	+ 41	Trinity Coll. ..	•	•	•	1	30	56·1	-0·3	56·3	-0·2
a Birr Castle	175	67	16th	41	20th	59·3	46·9	52·8	- 1·0	7	2·53	64	+ 50	Phœnix Park ..	4·3	- 0·3	35	1	30	•	•	•	•
a Kilkenny	212	68	16th	37	20th	60·7	46·6	53·3	- 1·0	6	2·45	62	+ 48	Dublin City ..	•	•	•	0	37	•	•	•	•
a Waterford	120	63	16th	39	20th	59·0	47·9	53·2	- 2·1	5	2·33	59	+ 43	Birr Castle ..	3·5	- 0·7	29	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	541	63	16, 17	40	20th	58·4	47·4	52·6	—	6	2·12	54	—	Seskin	3·7	—	30	0	32	•	•	•	•
a Cahir	199	67	16th	37	20th	60·3	46·6	53·1	- 1·5	7	2·25	57											
a Foynes	50	67	16th	43	20th	59·7	48·0	53·6	- 1·5	7	3·17	80	+ 61										
a Cahirciveen (Val. Obs.)	30	63	16, 17	47	20th	59·1	51·9	55·3	- 0·6	6	3·12	79	+ 55	Cahirciveen ..	3·6	- 0·8	29	0	42	•	•	•	•
a Killarney	174	70	16th	44	18, 20	62·1	50·1	55·8	+ 0·1	7	2·85	72	+ 51	Ballinacurra ..	4·4	0·0	36	•	•	•	•	•	•
a Roche's Point	32	63	16th	45	20th	59·0	50·6	54·6	- 1·4	7	1·44	37	+ 20										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	17, 18	49	19, 20	61·3	53·7	57·3	- 0·6	7	1·67	42	+ 30	Scilly	3·2	- 2·7	26	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	71	17th	52	20th	66·3	56·7	61·3	+ 1·8	4	1·02	26	+ 14	St. Heliers ..	4·7	- 1·8	38	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	70	17th	52	20th	65·4	56·6	60·8	+ 1·2	5	1·32	34	+ 21	Guernsey† ..	6·0	- 0·5	49	0	46	61·1	+0·9	61·5	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 21st, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m.p.h.	day.	hr.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	86	70	12	0	293	11	14	11	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	5	101	19	43	135	8	21	18	16	21	18 10
Aberdeen	153	105	52	—	—	16	1	52	92	23	0	67	11	18	5	17	21	17 55
Edinburgh	485	39	31	—	—	19, 21	7	85	47	29	0	259	13	19	17	21	19	14 20
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	15, 17, 19, 21	22	77	42	27	0	200	15	21	20	24	21	20 10
Paisley	188	81	15	—	—	—	—	64	87	17	0	203	10	21	20	23	21	19 55
2. ENGLAND, N.E.								13	79	76	0	225	8	19	16	16	19	15 20
Alnwick Castle	340	70	17	—	—	—	—											
South Shields	72	61	12	—	—	—	—	49	61	58	0	281	11	19	22	19	19	16 40
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	— —
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	71	94	3	0	304	9	19	9	—	—	— —
Gorleston	52	42	‡	—	—	17, 21	6	124	37	1	0	203	12	21	24	17	21	21 45
Shoeburyness	103	90	‡	—	—	17, 19 to 21	19	102	36	6	5	225	15	17	15	20	17	15 10
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	17	1	63	96	8	0	225	11	17	14	18	17	11 45
5. ENGLAND, S.E.																		
Warlingham	642	33	‡	—	—	17, 21	4	82	82	0	0	—	11	17	14	18	17	10 20
Brighton	261	53	6	—	—	20	2	87	76	3	0	—	13	20	23	24	20	23 5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	17, 19 to 21	23	96	49	0	0	180	17	17	14	26	17	14 28
Butler's Cross, S'y Plain	550	43	‡	—	—	17, 19 to 21	28	113	27	0	0	203	14	17	13	20	17	13 30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	28	96	42	2	203	10	17	13	17	17	13 15
S. Kensington	123	92	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	— —
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	27	99	42	0	270	11	19	21	16	19	12 45
Fleetwood (Cup Anr.) ..	109	44	—	19	1	19 to 21	25	87	48	7	0	281	17	19	22	—	—	— —
Southport	80	62	48	19	11	17, 19 to 21	29	92	36	0	0	247	20	19	14	28	19	17 25
Holyhead	60	40	‡	—	—	17, 19 to 21	47	88	33	0	0	259	15	19	20	23	19	17 15
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	17, 20, 21	8	15 to 21	44	82	19	5	10	203	19	21	23	25	21	23 25
Plymouth	185	88	2	—	—	15, 17, 20, 21	18	74	59	11	6	—	15	21	24	20	20	17 40
Lyme Regis	556	61	‡	—	—	17, 19 to 21	18	87	42	21	0	—	14	20	19	20	20	18 40
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	19 to 21	20	89	56	3	0	236	15	19	10	—	—	— —
Quilty	100	40	‡‡‡	—	—	15 to 17, 21	39	91	34	1	3	—	15	15	13	25	16	7 10
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	20, 21	11	76	73	2	6	205	14	21	13	22	12	13 55
Weaver Pt.	160	30	‡	—	—	17, 20, 21	17	83	68	0	0	—	16	21	15	24	21	18 50
11. ENGLISH CHANNEL																		
Scilly	150	32	‡	—	—	20, 21	11	114	26	13	4	293	12	20	20	19	20	16 25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-EIGHTH WEEK of 1918—September 15th to September 21st, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	29	83·9	77·6	80·7	− 3·0	34	− 31	5	+ 5	6	+ 2	1·53	39	+ 22	3·0	−0·2	24	1002
Eastern.																			
1. SCOTLAND, EAST ...	63	24	84·9	77·6	81·1	− 2·8	39	− 28	5	+ 4	6	+ 3	2·13	54	+ 41	3·0	−0·8	24	1003
2. ENGLAND, N.E.	72	36	89·1	82·3	85·6	+ 0·5	88	+ 5	0	0	6	+ 3	1·89	48	+ 39	4·3	0·0	35	1005
3. ENGLAND, EAST ...	74	41	91·5	83·9	87·5	+ 1·4	113	+ 17	0	0	5	+ 2	1·36	35	+ 26	5·6	+0·6	45	1009
4. MIDLAND COUNTIES ...	70	39	89·8	82·7	86·1	+ 0·7	95	+ 8	0	− 1	6	+ 3	1·98	50	+ 40	3·9	−0·4	32	1008
5. ENGLAND, S.E.	72	39	91·1	84·7	87·7	+ 1·1	116	+ 15	0	0	5	+ 2	1·60	41	+ 31	5·5	+0·2	45	1010
Western.																			
6. SCOTLAND, WEST ...	62	34	85·9	80·2	82·9	− 1·7	55	− 20	0	0	7	+ 4	3·37	86	+ 66	2·8	−1·1	23	1003
7. ENGLAND, N.W.	70	41	88·3	82·7	85·3	− 0·2	85	− 2	0	0	7	+ 4	3·18	81	+ 67	3·3	−1·0	27	1004
8. ENGLAND, S.W.	69	41	89·3	84·4	86·8	+ 0·6	104	+ 8	0	0	7	+ 4	2·11	54	+ 40	3·4	−1·6	28	1008
9. IRELAND, NORTH ...	67	37	86·8	80·6	83·6	− 1·5	63	− 20	0	0	7	+ 3	2·45	62	+ 47	2·7	−1·1	22	1000
10. IRELAND, SOUTH ...	70	37	88·5	82·3	85·3	− 0·5	85	− 6	0	0	6	+ 2	2·46	62	+ 45	4·0	−0·5	32	1004
11. ENGLISH CHANNEL ...	71	49	90·9	86·2	88·4	+ 0·5	125	+ 7	0	0	5	+ 2	1·34	34	+ 22	4·6	−1·8	38	1010

THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 1st to September 21st, 1918.

0. SCOTLAND, NORTH ...	64	28	85·0	78·5	81·6	− 2·7	121	− 95	5	+ 5	15	+ 2	3·73	95	+ 34	3·6	+0·0	27	1002
Eastern.																			
1. SCOTLAND, EAST ...	68	24	86·3	78·0	81·9	− 2·7	141	− 88	9	+ 8	15	+ 5	3·66	92	+ 56	4·2	0·0	32	1002
2. ENGLAND, N.E.	72	36	88·8	81·5	85·0	− 0·7	243	− 30	0	0	16	+ 8	3·79	97	+ 70	4·7	0·0	37	1003
3. ENGLAND, EAST ...	74	38	90·7	82·9	86·6	− 0·1	304	− 7	0	0	17	+ 9	3·20	82	+ 52	5·3	+0·1	42	1007
4. MIDLAND COUNTIES ...	70	39	89·5	82·0	85·6	− 0·5	266	− 20	0	− 1	19	+11	5·16	130	+100	4·4	−0·2	35	1006
5. ENGLAND, S.E.	72	39	91·0	83·9	87·3	0·0	332	+ 3	0	0	16	+ 8	4·16	106	+ 73	5·7	+0·1	45	1008
Western.																			
6. SCOTLAND, WEST ...	69	33	87·3	79·9	83·4	− 1·7	184	− 65	0	0	16	+ 6	4·92	126	+ 68	4·0	−0·5	31	1003
7. ENGLAND, N.W.	74	38	88·2	82·3	85·1	− 1·0	246	− 36	0	0	19	+ 9	6·61	168	+125	3·9	−0·8	30	1004
8. ENGLAND, S.W.	72	41	89·5	83·7	86·5	− 0·2	300	− 9	0	0	19	+ 9	5·79	148	+105	4·3	−0·9	34	1007
9. IRELAND, NORTH ...	68	36	87·3	80·9	83·9	− 1·6	203	− 61	0	0	18	+ 6	4·24	107	+ 61	3·6	−0·4	28	1003
10. IRELAND, SOUTH ...	72	37	88·6	82·1	85·2	− 1·0	253	− 38	0	0	18	+ 7	5·68	144	+ 97	4·1	−0·6	32	1005
11. ENGLISH CHANNEL ...	74	49	91·1	85·9	88·4	0·0	373	+ 2	0	0	16	+ 7	3·72	95	+ 58	5·9	−0·5	46	1009

THE YEAR 1918.—Aggregates, &c., for the Period of 38 Weeks, December 30th, 1917, to September 21st, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·1	81·0	− 0·1	1681	− 77	519	− 20	171	− 3	35·89	909	+ 56	3·4	−0·2	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·2	77·5	81·2	− 0·2	1873	− 94	626	+ 8	148	0	22·02	558	+ 21	4·0	−0·3	30	1013
2. ENGLAND, N.E.	84	9	86·4	79·2	82·6	+ 0·4	2367	+117	394	− 78	130	− 2	17·93	455	+ 26	4·5	−0·1	34	1015
3. ENGLAND, EAST ...	92	14	87·3	79·2	83·1	+ 0·2	2593	+ 8	411	− 83	124	− 4	18·51	472	+ 63	5·1	+0·1	39	1016
4. MIDLAND COUNTIES ...	89	12	87·5	79·1	83·1	+ 0·4	2611	+ 89	402	−121	128	+ 1	21·10	536	+ 77	4·4	−0·1	33	1016
5. ENGLAND, S.E.	90	15	87·6	79·8	83·5	0·0	2747	+ 7	353	− 26	121	− 3	21·04	534	+ 92	5·3	+0·1	40	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	86·0	78·9	82·3	+ 0·2	2180	+ 28	374	− 42	156	+ 1	31·28	796	+ 8	4·3	−0·1	32	1014
7. ENGLAND, N.W.	84	12	86·5	79·8	83·0	+ 0·4	2443	+ 99	280	−102	139	− 1	26·31	670	+ 77	4·6	0·0	35	1015
8. ENGLAND, S.W.	82	16	87·0	80·1	83·5	+ 0·2	2620	+ 41	256	− 45	33	− 6	26·77	683	+ 54	5·2	+0·2	40	1016
9. IRELAND, NORTH ...	80	18	86·2	79·6	82·7	+ 0·2	2301	+ 65	277	− 63	63	− 8	24·75	626	− 31	4·0	0·0	30	1013
10. IRELAND, SOUTH ...	84	19	87·3	80·3	83·6	+ 0·3	2667	+ 96	217	− 43	156	+ 5	29·47	747	+ 63	4·6	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·6	81·9	84·6	+ 0·1	2997	+ 36	91	− 14	130	−12	18·77	479	− 29	6·3	+0·3	49	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: September 26th, 1918.

EXAMINED BY A.E.P.
AUTHORITY FOR ISSUE 7/10
1534.10/18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 39.

THE THIRTY-NINTH WEEK OF 1918.
SUNDAY, SEPTEMBER 22ND, TO SATURDAY, SEPTEMBER 28TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of an unsettled character, but the rainfall was less heavy and the intervals of bright sunshine of longer duration than during the preceding week. Barometric pressure was high between the Azores and south-western Europe, but the northern anticyclone having receded, depressions passed across our area further to the northward than of late and the general wind current was more westerly, the exception being the extreme north where it was easterly at first. The force of the wind was mostly fresh or strong, gales being experienced at times in Scotland, the north-west of Ireland, and on the Lancashire coast. Temperature was below the normal in all Districts, the deficit being about 1 a. in England and about 2 a. in Scotland and Ireland. There were no maxima above 292 a. in England or Ireland, while in Scotland 289 a. was the highest point reached; on Saturday the maxima at some of the Scottish stations were no higher than 282 a., the minima during the early morning having been down to 275 a. or below, and the grass minima to 271 a. Rain fell on each day in the northern and western Districts, less frequently in the east and south; it was accompanied by hail in the western and northern Districts generally, and by snow or sleet in Scotland, where at the end of the week snow was lying on the hills at a height of 2,000 feet. Individual measurements of 20mm. and upwards were recorded in the west of Scotland and north-west of England, mostly on the 27th, 28mm. at Beddgelert, Snowdonia, on the 25th, and 30mm. at Arlington, Barnstaple, on the 24th. Thunder and lightning occurred locally in several parts of the country. With the exception of the Channel Islands bright sunshine was everywhere above the normal, the excess was about 1·5 hr. per day in most Districts, but only about 0·5 hr. in Scotland North and in England North-West and South-West. Solar and lunar rainbows were observed in various places. A display of aurora was witnessed in the north-east of Scotland on the 28th, a solar halo at Oxford on the 22nd and a lunar halo at Yarmouth on the 25th.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	4·7	—	—	20	3·4	20	3·3	16	4·9	5	3·4	23	4·7	12	4·8
North	6	2·6	—	—	4	1·0	3	1·1	10	4·4	17	6·3	3	3·6	14	4·5
West	23	4·6	—	—	6	2·7	27	3·2	28	9·3	28	7·5	28	8·1	28	6·5
East	3	2·0	—	—	22	4·5	0	—	0	—	0	—	0	—	0	—
Calm	1	—	—	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Light	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
AUTUMN. 4 weeks from Sept. 1st, 1918.	Warmth ...	0, 0, 4	0, 0, 4	0, 2, 2	1, 2, 1	0, 3, 1	1, 1, 2	0, 0, 4	0, 2, 2	0, 2, 2	0, 0, 4	0, 1, 3	1, 1, 2
	Rainfall ...	2, 2, 0	2, 2, 0	3, 1, 0	3, 0, 1	3, 1, 0	3, 1, 0	3, 0, 1	4, 0, 0	3, 1, 0	3, 1, 0	3, 1, 0	3, 1, 0
	Sunshine ...	2, 1, 1	2, 1, 1	1, 3, 0	1, 3, 0	1, 3, 0	1, 3, 0	1, 2, 1	1, 2, 1	0, 3, 1	2, 1, 1	1, 3, 0	0, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(19566—19.) Wt. 199—789. 625. 10/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands .. a Lerwick ..	54	52	23rd	38	22, 28	48·4	40·3	44·2	- 4·9	7	0·87	22	+ 2
p Deerness	160	55	22nd	38	28th	51·3	42·7	46·8	—	6	0·91	23	+ 3
a Stornoway	51	55	24th	34	22nd	52·1	41·3	46·4	- 3·6	7	2·52	64	+ 37
a Castlebay, Barra Isd.	37	58	24th	43	28th	52·9	46·3	49·4	—	7	0·80	20	—
b, Mainland. a Wick	81	56	23, 24	33	22nd	53·1	38·1	45·2	- 4·8	7	0·63	16	0
p Glencarron	500	54	23	33	28	52·8	40·9	46·9	- 3·5	7	0·84	21	+ 2
a Fort Augustus	68	55	23, 24, 26	36	27th	53·1	41·0	46·8	- 3·7	7	2·64	67	+ 45
p Fort William	171	58	26th	38	28th	53·1	42·7	47·7	- 3·6	7	3·74	95	+ 54
1. SCOTLAND, E.													
a Nairn	82	57	24th	34	22nd	54·3	39·7	46·7	- 3·5	7	0·75	19	+ 6
p Gordon Castle	101	59	24th	36	28th	54·0	41·6	47·5	- 3·5	7	0·33	8	- 8
a Aberdeen	46	60	26th	39	27th	55·7	41·7	48·4	- 2·6	4	0·20	5	- 9
a Balmoral	930	55	26th	32	27, 28	51·6	37·7	44·3	- 3·3	7	0·53	13	- 3
p Crieff	432	58	26th	35	28th	54·0	40·1	46·7	- 4·4	7	1·09	28	+ 10
a Dundee	244	58	26th	36	28th	55·3	40·1	47·3	- 3·7	5	0·38	10	- 3
a Leith	30	59	22nd	40	28th	54·3	44·6	49·2	- 3·3	7	0·71	18	+ 7
p Edinburgh	441	56	22nd	38	28th	53·6	43·6	48·4	- 2·9	6	0·69	17	+ 5
a West Linton	769	55	24th	36	28th	51·3	40·0	45·4	- 2·5	7	1·78	45	—
p Marchmont	498	58	22nd	36	28th	54·6	41·1	47·5	- 2·8	4	0·66	17	+ 1
6. a, SCOTLAND, W.													
a Ford (Argyll)	149	57	23rd	38	28th	53·8	43·0	48·1	—	7	3·19	81	—
p Glasgow Observatory	180	56	23, 24	40	28th	53·6	44·7	48·9	- 2·7	7	1·64	39	+ 19
p Rothesay	200	56	23, 24, 26	39	28th	53·4	42·7	47·8	- 4·3	7	2·61	66	+ 39
a Kilmarnock	90	59	23rd	39	28th	55·1	45·1	49·9	- 1·0	7	2·06	52	+ 30
a Colmonell	170	59	26th	42	28th	55·6	45·7	50·4	- 1·4	7	1·26	32	+ 8
p Cally, Gatehouse	120	59	22, 23, 26	39	28th	56·7	45·3	50·7	- 0·2	7	1·26	32	+ 6
p Dumfries	160	57	22, 23	40	24, 28	55·0	43·6	49·0	- 3·1	7	0·80	20	+ 1
a Eskdalemuir	794	54	23, 24, 26	36	28th	51·7	40·9	46·0	—	7	1·93	49	—
b. I. OF MAN p Douglas	277	58	24th	43	28th	54·9	46·7	50·6	- 2·2	6	1·26	32	+ 8
2. ENGLAND, N.E													
a North .. a Alnwick Castle	210	60	22nd	39	28th	56·1	42·4	48·9	- 2·7	5	0·28	7	- 8
a Tynemouth	71	59	22nd	41	28th	54·7	45·6	49·9	- 2·4	4	0·39	10	- 3
p Durham	336	58	23rd	39	28th	54·9	43·0	48·7	- 3·0	5	0·57	14	+ 1
p Rounton	249	59	22nd	39	28th	55·7	43·0	49·1	- 2·3	6	0·81	21	+ 9
a West Witton	605	58	23rd	39	28th	54·6	44·6	49·4	—	7	0·76	19	—
p Scarborough	100	61	22, 24	46	28th	58·9	48·7	53·6	0·0	4	0·55	14	+ 1
p York	56	61	22, 23, 26	42	24th	58·3	45·9	51·8	- 1·3	6	1·07	27	+ 16
b, South .. a Spurn Head	26	59	26th	43	27th	56·6	46·6	51·4	- 3·1	5	0·29	7	- 3
a Lincoln	58	61	22nd	42	24th	58·3	45·7	51·7	- 1·9	5	0·12	3	- 8
a Fulbeck	180	61	25th	41	24th	58·4	45·1	51·4	- 2·3	6	0·17	4	- 7
3. ENGLAND, E.													
p Cromer	196	61	24th	43	26th	58·6	45·7	51·8	- 2·9	5	0·24	6	- 7
a Little Massingham	280	61	24th	40	24th	57·7	44·0	50·5	- 2·9	3	0·20	5	- 11
a Yarmouth	13	62	24th	43	24, 25	58·9	45·3	51·8	- 2·7	3	0·28	7	- 8
a Norwich	93	61	24th	43	24th	58·7	46·9	52·5	- 1·5	5	0·29	7	- 9
a Geldeston	37	65	23rd	39	24th	61·1	45·9	53·1	- 1·1	4	0·15	4	- 10
p Cambridge	41	62	25th	42	24, 26	59·3	45·1	52·1	- 1·9	4	0·18	5	- 7
a Clacton-on-Sea	54	62	24, 25	43	24th	60·0	47·6	53·5	- 1·5	3	0·54	14	+ 3
a Rothamsted	424	59	25th	42	26th	56·6	46·4	51·3	- 1·7	5	0·22	6	- 9
p Tottenham	51	62	25th	46	26th	60·1	49·7	54·7	—	3	0·30	8	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	58	22, 26	40	28th	54·7	44·0	49·1	- 2·2	7	1·25	32	+ 19
p Sheffield	429	62	26	43	28	56·6	45·9	51·2	—	7	0·97	25	—
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—
b, East .. a Bawtry	65	62	26th	43	26, 28	58·0	46·0	51·7	- 0·8	6	0·48	12	+ 2
a Nottingham	82	60	22, 25, 26	41	27th	58·1	44·3	50·9	- 2·0	5	0·29	7	- 4
p Birmingham, Edgbsn.	535	58	22, 25, 27	43	28th	56·3	45·4	50·6	- 2·3	5	0·45	11	- 1
a Raunds	203	62	22nd	42	24, 26, 27	59·7	45·3	52·2	- 1·5	6	0·10	3	- 7
p Oxford	208	60	22, 25	43	28th	58·6	45·9	52·0	- 1·8	5	0·35	9	- 3
c, West .. a Cheadle (N. Staffs.)	646	59	22, 25	39	27th	56·7	43·4	49·7	- 1·9	7	0·52	13	- 2
p Tenbury	313	61	26th	42	28th	57·9	45·7	51·5	- 0·8	4	0·32	8	- 2
a Hereford	291	61	25, 26	41	26th	59·0	45·0	51·7	- 1·1	4	0·19	5	- 7
a Clifton	229	60	22, 25	47	27th	58·0	48·9	53·2	- 1·7	5	0·90	23	+ 3
5. ENGLAND, S.E.													
a Marlborough	424	61	25th	39	27th	57·9	45·0	51·1	- 1·0	5	0·43	11	- 4
p Salisbury (Wilton)	180	62	25th	39	28th	59·0	42·4	50·3	- 3·3	3	0·35	9	- 6
a Wisley, Surrey	150	61	24th	42	24th	58·7	47·0	52·6	- 1·2	4	0·38	10	- 4
a Tunbridge Wells	354	62	24, 25	40	24th	59·7	46·7	52·9	- 1·4	5	1·16	29	+ 13
a Margate	51	64	24th	46	26th	60·9	49·6	55·0	- 1·4	4	0·77	20	+ 7
a Dungeness	21	64	25th	40	24th	61·3	47·1	53·9	- 2·0	4	1·50	38	+ 23
p St. Leonards	178	62	23–26	43	24th	61·0	47·4	53·9	- 2·1	5	1·14	29	+ 13
p Southampton	64	62	25th	44	24th	59·6	46·7	52·8	- 3·1	4	0·55	14	- 2
a Ventnor	59	62	25th	47	24th	59·9	51·1	55·3	- 1·9	6	0·99	25	+ 8
LONDON. p Richmond (Kew Obs.)	18	61	24–26	43	24th	59·2	47·0	52·8	- 1·7	4	0·33	8	- 4
a Westminster	27	63	25th	42	24th	60·8	48·7	54·5	- 1·3	4	0·28	7	- 4
ag Greenwich	149	63	23, 24, 26	42	24th	61·3	47·9	54·3	- 1·0	4	0·48	12	0
a Hampstead	450	61	25	44	24	57·9	46·6	52·0	—	4	0·28	7	—
ag Camden Square	110	65	25th	41	24th	61·7	47·4	54·2	- 1·6	5	0·28	7	- 5
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	56	22nd	40	28th	52·9	44·9	48·7	- 3·2	7	1·27	32	+ 9
p Newton Rigg	559	63	22nd	42	24, 27	54·0	43·9	48·7	- 2·1	7	2·05	52	+ 33
p Stonyhurst	375	58	26th	43	28th	55·1	46·3	50·5	- 1·5	7	2·69	68	+ 42
p Blackpool	66	60	22nd	46	28th	57·0	49·4	53·0	- 0·4	7	1·30	33	+ 13
a Southport	37	60	22nd	47	28th	56·4	49·1	52·6	- 0·7	7	1·44	37	+ 18
a Liverpool (Bidston)	188	63	26th	44	28th	56·9	48·0	52·2	- 1·6	7	0·95	24	+ 7
a Hawarden Bridge	22	66	26th	43	28th	59·0	48·9	53·7	- 0·5	7	0·85	17	+ 3
p Manchester (Whit. Pk.)	125	64	26th	43	28th	58·3	45·1	51·4	- 2·6	7	1·21	31	+ 14
b. NORTH WALES.													
p Llandudno	16	61	22, 24, 26	46	28th	57·7	48·9	53·1	- 1·8	6	1·04	27	+ 10
a Holyhead	15	61	26th	47	28th	57·0	49·1	52·9	- 1·7	6	1·10	28	+ 9
a Beddgelert	309	61	27th	45	28th	56·4	47·1	51·5	—	7	4·16	106	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	3·9	+ 0·9	33	•	•	•	•	•	•
Stornoway	3·5	- 0·4	29	•	•	•	•	•	•
Castlebay	3·7	—	31	•	•	•	•	•	•
Fort Augustus	—	—	—	•	•	•	•	•	•
Nairn	5·4	—	45	•	•	•	•	•	•
Gordon Castle	4·8	—	40	•	•	•	•	•	•
Aberdeen	5·0	+ 1·4	42	3	28	•	•	50·9	-1·1
Balmoral	•	•	•	1	28	•	•	•	•
Crathes	4·3	+ 0·9	36	3	24	49·7	- 3·2	52·4	-0·8
Dundee	5·1	—	43	3	29	50·4	•	•	•
Leith	•	•	•	0	36	•	•	•	•
Edinburgh	4·7	+ 1·1	39	0	35	•	•	•	•
West Linton	3·7	—	31	0	31	•	•	•	•
Marchmont	4·8	+ 1·4	40	•	•	•	•	•	•
Ford (Argyll)	•	•	•	0	31	51·6	•	53·8	•
Glasgow	3·5	+ 0·8	29	0	31	•	•	•	•
Rothesay	3·3	—	28	0	35	50·3	•	52·0	-1·2
Kilmarnock	3·4	—	29	•	•	50·6	•	52·2	•
Colmonell	•	•	•	0	35	•	•	•	•
Dumfries	4·9	—	41	0	35	51·1	-2·1	52·8	-3·0
Eskdalemuir	3·3	—	28	0	34	•	•	•	•
Douglas	5·3	+ 1·3	45	0	40	•	•	•	•
Cockle Park	4·8	+ 0·8	40	0	35	47·5	-3·5	50·9	-1·5
Durham	5·6	+ 2·0	47	0	31	•	•	•	•
Rounton	•	•	•	4	28	52·7	•	•	•
West Witton	•	•	•	0	35	50·8	•	52·1	•
Scarborough†	6·1	+ 2·0	51	•	•	•	•	52·5	•
York	4·8	+ 1·1	40	•	•	54·0	-1·1	55·4	-0·2
Spurn Head	4·7	—	39	•	•	•	•	•	•
Lincoln	•	•	•	0	36	53·8	-0·9	56·2	+0·2
Rauceby	5·8	+ 1·3	49	•	•	54·9	-0·7	55·9	-0·3
Skegness	6·0	+ 1·2	50	•	•	•	•	•	•
Cromer	5·6	+ 0·8	47	•	•	•	•	•	•
Lit. Massingham	5·1	+ 0·7	43	•	•	•	•	•	•
Yarmouth	6·3	—	53	0	41	56·6	- 0·1	58·0	-0·4
Norwich	5·9	—	50	0	40	55·3	•	•	•
Geldeston	5·8	+ 0·9	49	•	•	•	•	•	•
Cambridge	5·4	+ 0·7	45	0	35	56·7	+0·6	57·8	+0·2
Clacton	7·0	+ 1·7	59	0	41	56·4	- 0·6	58·4	+0·3
Rothamsted	5·7	+ 1·0	48	0	35	54·4	•	•	•
Tottenham	6·0	—	50	0	40	•	•	59·0	-0·1
Harrogate	5·3	+ 1·3	45	0	37	51·4	-1·5	53·9	-0·6
Sheffield	5·4	+ 1·7	45	0	39	52·8	- 1·0	54·5	+ 0·2
Buxton	—	—	—	—	—	—	—	—	—
Worksop	4·4	+ 0·8	37	0	33	53·2	—	54·8	—
Nottingham	4·6	+ 0·8	39	0	37	52·4	- 1·6	55·9	-0·2
Birmingham	5·4	+ 2·1	45	0	36	50·6	- 1·9	53·0	0·0
Raunds	5·9	—	50	1	30	57·4	•	57·1	•
Oxford	6·3	+ 1·8	53	0	35	•	•	•	•
Cheadle	•	•	•	0	33	•	•	•	•
Tenbury	—	—	—	0	36	54·1	•	•	•
Malvern	5·7	—	48	0	38	54·1	•	57·0	•
Clifton	6·0	—	50	0	42	•	•	•	•
Worthing	6·2	+ 0·8	52	0	38	57·9	+0·7	59·1	+0·5
Marlborough	6·0	+ 1·9	50	0	32	55·4	•	57·0	•
Salisbury	•	•	•	0	36	57·0	•	•	•
Wisley	6·1	+ 1·6	51	0	31	56·1	+0·2	57·4	+0·3
Tunbridge Wells	6·5	+ 1·6	55	0	33	56·7	- 0·3	57·7	•
Margate	6·5	+ 0·7	55	0	43	58·1	+1·6	59·9	+2·3
Folkestone	6·7	—	56	•	•	•	•	55·6	•
St. Leonards	7·0	+ 1·7	59	0	40	58·1	•	59·4	•
Southampton	5·8	+ 0·9	49	0	33	•	•	•	•
Ventnor	5·7	+ 0·6	48	•	•	•	•	•	•
Richmond	5·7	+ 1·4	48	0	32	55·8	+0·3	57·0	+0·4
Westminster	5·6	+ 2·0	47	0	37	•	•	•	•
Greenwich	6·0	+ 1·5	50	0	35	•	•	•	•
Hampstead	5·8	—	49	0	36	•	•	•	•
Camden Square	4·3	+ 0·7	36	0	38	•	•	•	•
Aspatria	3·2	- 0·9	27	0	38	50·3	-2·3	52·5	-1·5
Newton Rigg	3·5	- 0·2	29	0	32	51·9	-1·9	53·1	-0·7
Stonyhurst	4·5	+ 0·9	38	0	39	•	•	•	•
Blackpool	5·2	+ 1·0	44	0	40	54·6	•	55·0	•
Southport	4·7	+ 0·7	39	0	41	54·1	- 0·8	56·9	+0·1
Hoylake	5·5	+ 1·6	46	•	•	•	•	•	•
Liverpool	4·2	—	35	0	41	•	•	•	•
Manchester (City)	3·5	+ 0·4	29	0	39	53·4	-1·4	57·1	0·0
Whitworth Park	2·6	- 0·3	22	•	•	•	•	•	•
Llandudno	5·0	+ 0·7	42	•	•	•	•	•	•
Holyhead	4·8	—	40	0	43	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																						
a Aberystwyth	59	59	26th	48	24, 28	57·4	49·6	53·3	—	7	0·76	19	—									
a Rhayader	757	59	26th	43	25th	53·7	45·7	49·5	—	7	1·33	34	—	Aberystwyth ..	4·6	+ 0·3	39	•	•	•	•	•	•
a St. Ann's Head	149	58	26th	47	24th	55·6	50·4	52·9	- 2·1	4	0·44	11	- 9	Rhayader ..	4·6	—	39	0	38	•	•	•	•
p Cardiff	202	60	25th	43	27th	57·7	45·7	51·4	- 2·4	5	1·25	32	+ 9	St. Ann's Head	5·4	+ 1·2	45	•	•	•	•	•	•
														Cardiff	5·3	—	45	0	37	55·4	- 0·1	57·1	+0·3
b, ENGLAND, S.W.																						
a Bath	66	61	25th	41	27th	59·0	46·6	52·5	- 1·7	5	0·52	13	- 2	Bath	•	•	•	•	•	58·0	0·0	59·5	+0·5
a Shaftesbury	722	58	25th	44	23, 24, 27	56·1	45·4	50·5	- 3·0	5	0·51	13	- 5	Shaftesbury ..	•	•	•	•	•	54·6	•	57·3	•
a Arlington	613	59	25th	44	27th	56·0	46·3	50·9	- 2·3	6	2·45	62	+ 32										
a Hartland Quay ..	100	59	25th	50	24th	57·1	52·9	54·9	—	5	0·71	18	—										
a Newquay	190	59	26th	47	26th	56·7	49·7	53·0	- 2·9	6	0·62	16	- 4	Newquay ..	4·1	- 0·4	34	0	44	56·9	•	58·3	•
a Cullompton	202	62	25th	42	26, 27	59·6	46·0	52·5	- 1·5	6	0·92	23	+ 5	Cullompton ..	4·8	+ 0·9	40	0	35	55·4	•	•	•
a Portland Bill	19	60	25th	52	24, 26	57·7	53·0	55·2	- 1·3	5	0·43	11	- 4	Weymouth ..	5·7	•	48	•	•	•	•	•	•
p Plymouth	116	61	25th	43	28th	58·6	49·1	53·6	- 2·0	6	0·68	17	- 1	Plymouth ..	3·8	- 0·6	32	•	•	55·6	- 1·6	58·1	•
a Falmouth	167	61	25th	46	24th	58·1	47·7	52·7	- 2·8	6	1·16	29	+ 7	Falmouth ..	4·3	- 0·3	36	0	40	58·1	•	60·3	•
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	55	24, 26	42	28th	53·0	44·1	48·3	- 4·8	7	1·85	47	+ 28	Malin Head ..	4·2	—	35	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	55	22, 24–26	40	28th	53·6	44·4	48·8	- 5·2	7	1·22	31	+ 2	Markree Castle	4·3	+ 1·1	36	0	35	53·2	- 2·5	55·0	- 0·8
{ *p* Markree Castle ..	122	60	24th	39	28th	57·3	43·9	50·3	- 1·4	7	1·59	40	+ 16										
b, East .. { *p* Armagh	196	58	24, 26	39	28th	55·6	43·3	49·2	- 2·9	7	0·93	24	+ 7	Armagh	5·0	+ 1·6	42	0	34	52·3	- 2·9	54·1	- 1·4
{ *a* Donaghadee	101	57	22, 24, 26	42	27, 28	55·4	44·4	49·6	- 3·5	7	0·91	23	+ 6										
10. IRELAND, S.																						
p Dublin, City	47	61	24th	41	28th	56·7	46·3	51·3	- 2·8	7	0·69	18	+ 5	Trinity Coll. ..	•	•	•	—	—	—	—	—	—
a Birr Castle	175	60	24th	37	28th	56·6	44·1	50·1	- 2·2	7	1·03	26	+ 11	Phœnix Park ..	5·4	+ 1·4	45	0	33	•	•	•	•
a Kilkenny	212	63	24th	38	28th	58·0	44·0	50·7	- 2·2	7	0·64	16	0	Dublin City ..	•	•	•	0	37	•	•	•	•
a Waterford	120	62	24th	41	28th	58·0	45·1	51·2	- 2·8	6	0·32	8	- 11	Birr Castle ..	4·9	+ 1·2	41	0	31	•	•	•	•
p Seskin, Carrick-on-Suir	541	62	26th	38	28th	56·9	43·4	49·8	—	6	0·48	12	—	Seskin	5·8	—	49	0	35	•	•	•	•
a Cahir	199	60	24th	40	22nd	57·4	43·9	50·3	- 2·8	6	0·93	24											
a Foynes	50	60	24th	44	28th	56·3	46·6	51·2	- 2·7	7	1·11	28	+ 9										
a Cahirciveen (Val. Obs.)	30	58	24–26	45	23rd	56·4	48·4	52·2	- 2·7	6	0·95	24	- 4	Cahirciveen ..	4·3	+ 0·4	36	0	42	•	•	•	•
a Killarney	174	62	24th	43	28th	58·2	46·9	52·3	- 2·1	7	1·36	35	+ 10	Ballinacurra ..	6·5	+ 2·7	55	•	•	•	•	•	•
a Roche's Point	32	64	24th	44	28th	58·1	46·6	52·1	- 2·8	7	0·26	7	- 13										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	59	25th	50	23–25	57·6	50·9	54·1	- 2·9	5	0·71	18	- 1	Scilly	4·7	0·0	39	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	63	26th	52	23, 24, 26	60·6	53·0	56·6	- 1·5	6	0·87	22	+ 2	St. Heliers ..	4·5	- 0·6	38	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	62	25, 26	52	23–26, 28	60·1	52·4	56·1	- 2·1	6	0·84	21	- 1	Guernsey† ..	5·5	+ 0·3	46	0	45	58·0	- 1·1	60·6	+0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 28th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	21, 24, 25	11	99	44	14	0	124	15	21	22	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	11	103	54	0	225	7	24	13	16	25	13	0
Aberdeen	153	105	52	—	—	25	1	38	113	16	0	281	11	25	15	20	25	12	0
Edinburgh	485	39	31	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	22, 24 to 27	27	86	49	6	0	250	15	22	11	24	22	12	20
Paisley	188	81	15	—	—	22	2	79	80	7	0	191	12	22	8	25	25	13	55
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	29	108	40	0	203	8	22	12	19	25	12	20
South Shields	72	61	12	—	—	25, 28	7	43	101	17	0	281	14	25	12	24	25	12	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	57	111	0	0	135	9	28	12	—	—	—	—
Gorleston	52	42	‡	—	—	22, 26	12	93	63	0	0	203	13	22	5	19	26	12	55
Shoeburyness	103	90	‡	—	—	22, 24 to 26	13	93	62	0	0	203	15	22	3	20	26	14	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	49	107	12	0	225	11	26	13	17	26	14	39
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	58	103	2	5	—	10	22	1	19	22	3	20
Brighton	261	53	6	—	—	22, 23	7	101	60	0	0	—	12	22	24	20	28	4	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	22, 26, 27	14	126	17	0	11	203	14	26	13	19	26	12	40
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	17	113	38	0	214	8	26	17	15	26	13	30
S. Kensington	123	92	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	25	1	52	100	15	0	203	12	25	16	18	25	16	15
Fleetwood (Cup Anr.) ..	109	44	—	23, 25, 28	6	23 to 28	77	85	0	0	0	315	19	23	12	—	—	—	—
Southport	80	62	48	25, 28	6	22 to 28	101	61	0	0	0	270	18	26	3	28	28	12	30
Holyhead	60	40	‡	—	—	22 to 28	86	82	0	0	0	304	16	28	18	22	28	15	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	22 to 24, 26 to 28	29	94	43	2	8	225	17	26	13	23	22	14	45
Plymouth	185	88	2	—	—	22	2	40	107	19	9	—	12	22	19	23	22	15	5
Lyme Regis	556	61	‡	—	—	22, 26	7	106	50	5	9	—	15	26	11	22	22	1	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	22 to 28	72	67	14	0	15	281	15	23	17	—	—	—	—
Quilty	100	40	‡	23	4	22 to 24, 27, 28	51	67	28	0	18	—	18	23	4	31	23	8	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	22, 23, 26, 27	25	107	31	2	3	340	14	23	6	26	23	3	35
Weaver Pt.	160	30	‡	—	—	22 to 24, 26	24	95	49	0	0	—	15	26	6	22	26	5	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	22, 23, 25	32	110	21	5	0	315	16	23	10	22	23	10	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-NINTH WEEK of 1918—September 22nd to September 28th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	33	84·1	77·8	80·8	− 2·3	34	− 25	4	+ 2	7	+ 2	2·08	53	+ 27	3·7	+0·6	31	994
Eastern.																			
1. SCOTLAND, EAST ...	60	32	85·1	77·9	81·3	− 2·0	40	− 22	3	+ 1	6	+ 2	0·76	19	+ 4	4·9	+1·5	41	996
2. ENGLAND, N.E.	61	39	86·8	80·3	83·4	− 1·2	61	− 15	0	0	5	+ 1	0·47	12	0	5·5	+1·4	46	1001
3. ENGLAND, EAST ...	65	39	88·1	80·9	84·3	− 0·9	73	− 11	0	0	4	+ 1	0·27	7	− 7	5·9	+1·1	49	1006
4. MIDLAND COUNTIES ...	62	39	87·3	80·4	83·7	− 0·9	65	− 12	0	− 1	5	+ 2	0·49	12	− 1	5·3	+1·3	45	1006
5. ENGLAND, S.E.	64	39	88·4	81·3	84·7	− 1·2	78	− 14	0	0	4	+ 1	0·76	19	+ 4	6·2	+1·4	52	1008
Western.																			
6. SCOTLAND, WEST ...	59	38	85·7	79·9	82·7	− 1·4	52	− 18	0	− 1	7	+ 3	1·75	44	+ 18	4·4	+1·0	37	999
7. ENGLAND, N.W.	66	40	86·6	81·4	83·9	− 0·9	67	− 12	0	0	7	+ 3	1·37	35	+ 15	4·5	+0·6	37	1004
8. ENGLAND, S.W.	62	41	87·0	81·7	84·2	− 1·3	71	− 17	0	− 1	6	+ 2	0·97	25	+ 4	4·5	+0·4	38	1009
9. IRELAND, NORTH ...	60	37	85·9	79·7	82·7	− 1·7	52	− 21	0	0	7	+ 2	1·26	32	+ 10	4·7	+1·3	39	1001
10. IRELAND, SOUTH ...	64	37	87·1	80·7	83·7	− 1·5	65	− 18	0	0	7	+ 3	0·81	21	+ 2	5·3	+1·4	44	1008
11. ENGLISH CHANNEL ...	63	50	88·2	84·2	86·1	− 1·2	95	− 15	0	0	6	+ 2	0·81	20	+ 1	4·9	−0·1	41	1012

THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, September 1st to September 23th, 1918.

0. SCOTLAND, NORTH ...	64	28	84·8	78·3	81·4	− 2·6	155	−120	9	+ 7	22	+ 4	5·81	148	+ 61	3·6	+0·1	28	1000
Eastern.																			
1. SCOTLAND, EAST ...	68	24	86·0	78·0	81·8	− 2·5	181	−110	12	+ 9	21	+ 7	4·42	111	+ 60	4·4	+0·4	34	1001
2. ENGLAND, N.E.	72	36	88·3	81·2	84·6	− 0·9	304	− 45	0	0	21	+ 9	4·26	109	+ 70	4·9	+0·3	39	1003
3. ENGLAND, EAST ...	74	38	90·0	82·4	86·0	− 0·4	377	− 18	0	0	21	+10	3·47	89	+ 45	5·5	+0·4	44	1007
4. MIDLAND COUNTIES ...	70	39	89·0	81·7	85·1	− 0·6	331	− 32	0	− 2	24	+13	5·65	142	+ 99	4·7	+0·2	37	1006
5. ENGLAND, S.E.	72	39	90·4	83·3	86·7	− 0·3	410	− 11	0	0	20	+ 9	4·92	125	+ 77	5·8	+0·4	47	1008
Western.																			
6. SCOTLAND, WEST ...	69	33	86·9	79·9	83·3	− 1·6	236	− 83	0	− 1	23	+ 9	6·67	170	+ 86	4·1	−0·1	33	1002
7. ENGLAND, N.W.	74	38	87·8	82·1	84·8	− 1·0	313	− 48	0	0	26	+12	7·98	203	+140	4·0	−0·5	32	1004
8. ENGLAND, S.W.	72	41	88·9	83·2	85·9	− 0·5	371	− 26	0	− 1	25	+11	6·76	173	+109	4·4	−0·5	35	1008
9. IRELAND, NORTH ...	68	36	86·9	80·6	83·6	− 1·6	255	− 82	0	0	25	+ 8	5·50	139	+ 71	3·9	0·0	31	1002
10. IRELAND, SOUTH ...	72	37	88·3	81·8	84·9	− 1·1	318	− 56	0	0	25	+10	6·49	165	+ 99	4·4	−0·1	35	1006
11. ENGLISH CHANNEL ...	74	49	90·4	85·5	87·8	− 0·3	468	− 13	0	0	22	+ 9	4·53	115	+ 59	5·6	−0·5	45	1010

THE YEAR 1918.—Aggregates, &c., for the Period of 39 Weeks, December 30th, 1917, to September 28th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·0	81·0	− 0·1	1715	− 102	523	− 18	178	− 1	37·97	963	+ 83	3·5	−0·1	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·6	81·2	− 0·2	1913	−116	629	+ 9	154	+ 2	22·78	577	+ 25	4·0	−0·2	30	1013
2. ENGLAND, N.E.	84	9	86·4	79·2	82·6	+ 0·3	2428	+102	394	− 78	135	− 1	18·40	467	+ 26	4·6	0·0	34	1014
3. ENGLAND, EAST ...	92	14	87·3	79·2	83·1	+ 0·2	2666	− 3	411	− 83	128	− 3	18·78	479	+ 56	5·1	+0·1	39	1015
4. MIDLAND COUNTIES ...	89	12	87·5	79·1	83·1	+ 0·4	2676	+ 77	402	−122	133	+ 3	21·59	548	+ 76	4·4	−0·1	34	1015
5. ENGLAND, S.E.	90	15	87·7	79·8	83·6	+ 0·1	2825	− 7	353	− 26	125	− 2	21·80	553	+ 96	5·3	+0·1	41	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·9	78·9	82·3	+ 0·1	2232	+ 10	374	− 43	163	+ 4	33·03	840	+ 26	4·3	−0·1	32	1014
7. ENGLAND, N.W.	84	12	86·5	79·9	83·0	+ 0·3	2510	+ 87	280	−102	146	+ 2	27·68	705	+ 92	4·6	+0·1	35	1014
8. ENGLAND, S.W.	82	16	87·0	80·2	83·5	+ 0·2	2691	+ 24	256	− 46	139	− 4	27·74	708	+ 58	5·2	+0·2	40	1016
9. IRELAND, NORTH ...	80	18	86·1	79·6	82·7	+ 0·1	2353	+ 44	277	− 63	170	− 6	26·01	658	− 21	4·1	+0·1	31	1013
10. IRELAND, SOUTH ...	84	19	87·3	80·3	83·6	+ 0·2	2732	+ 78	217	− 43	163	+ 8	30·28	768	+ 65	4·6	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·6	81·9	84·6	0·0	3092	+ 21	91	− 14	136	−10	19·58	499	− 28	6·3	+0·4	48	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 3rd, 1918.

EXAMINED BY AUTHORITY FOR ISSUE 157 11.10.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 40.

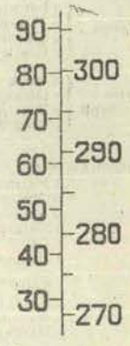
THE FORTIETH WEEK OF 1918.

SUNDAY, SEPTEMBER 29TH, TO SATURDAY, OCTOBER 5TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a small but deep depression passed eastwards over the south of England, producing heavy rain—between 20mm. and 35mm.—over the whole of the country to the south of a line drawn between the mouth of the Severn and the Wash. On the southern side of the track of the depression, where the wind current was southerly, fairly high temperatures were reached, but under the influence of a north-easterly wind on the northern side of its path the maximum temperatures on Sunday were remarkably low; readings below 283 a. were recorded over the inland parts of England generally, in the west and south Midlands about 280 a., the lowest reading reported being 280 a. at Stonehenge. The weather continued unsettled generally, but after the middle of the week there were some fine intervals in the south of England. There were further heavy falls of rain during the latter half of the week in Ireland South, Scotland West, and England North-West. At Beddgelert (Snowdonia) the total for the week was 218mm., 197mm. of which fell during the four days October 2nd to October 5th. The mean temperature was below the normal in all Districts, the deficit ranging between 1·5 a. and 3 a.; the lowest screen minima, about 272 a., were in the east and south of England, the lowest grass minimum, 266 a., was at Wisley (Surrey) on the 1st. Excepting in England North-East and the English Channel, where it was about normal, the rainfall was everywhere in excess. Bright sunshine was deficient in all Districts, the deficit generally being less than an hour per day. Thunderstorms were experienced in England South-West and in Guernsey on the 29th or 30th, and hail showers in various localities. The Observer at Hereford reports, "Snow on the Black Mountains on the 29th." Solar halos were observed at Aberdeen on the 29th and at Birmingham and Oxford on the 30th. On the 29th Aurora was witnessed at Ford, Argyllshire.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	4·9	16	6·6	—	—	14	3·2	14	7·0	—	—	20	5·6	15	6·8
North	10	4·4	6	4·4	—	—	8	2·6	12	6·1	—	—	5	3·3	12	4·1
West	24	3·0	26	5·6	—	—	21	3·0	23	7·2	—	—	27	5·9	22	4·0
East	1	8·4	0	—	—	—	2	4·0	3	3·1	—	—	0	—	3	1·8
Calm	0	—	1	—	—	—	5	—	1	—	—	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Moderate	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Heavy	Moderate	Very heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 5 weeks from Sept. 1st, 1918.	Warmth ...	0, 0, 5	0, 1, 4	0, 2, 3	1, 2, 2	0, 3, 2	1, 1, 3	0, 0, 5	0, 2, 3	0, 2, 3	0, 0, 5	0, 1, 4	1, 1, 3
	Rainfall ...	3, 2, 0	3, 2, 0	3, 2, 0	4, 0, 1	4, 1, 0	4, 1, 0	4, 0, 1	5, 0, 0	4, 1, 0	4, 1, 0	4, 1, 0	3, 2, 0
	Sunshine ...	2, 2, 1	2, 2, 1	1, 4, 0	1, 3, 1	1, 3, 1	1, 4, 0	1, 2, 2	1, 2, 2	0, 4, 1	2, 2, 1	1, 3, 1	0, 4, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(19683—19.) Wt. 199—789. 625. 10/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands.. a Lerwick	54	51	3rd	35	1st	48·4	39·6	43·9	+ 4·5	6	1·02	26	+ 1									
p Deerness	160	55	3rd	38	29, 1	50·9	42·1	46·4	—	6	0·79	20	− 4	Deerness ..	3·1	+ 0·4	28	•	•	•	•	•	•
a Stornoway	51	55	2, 3, 5	35	30th	51·9	40·4	46·0	− 3·1	7	2·32	59	+ 26	Stornoway ..	2·0	− 1·1	18	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	56	5	42	30	52·4	45·4	48·8	—	7	2·95	74	—	Castlebay ..	5·5	—	13	•	•	•	•	•	•
b, Main- a Wick	81	56	3rd	35	20, 1	51·9	40·0	45·8	− 3·2	5	0·71	18	− 1									
land. p Glencarron	500	55	5	36	24	50·4	41·4	45·8	− 3·5	7	3·43	100	+ 4									
a Fort Augustus..	68	56	30th	37	29, 30	53·9	43·7	49·3	− 0·6	3	1·46	35	− 21	Fort Augustus..	—	—	—	•	•	•	•	•	•
p Fort William	171	58	29th	37	30th	53·3	42·9	48·0	− 2·1	7	3·37	86	+ 39									
1. SCOTLAND, E.																						
a Nairn	82	60	3rd	35	1st	53·3	41·0	47·0	− 1·7	7	0·67	17	+ 3	Nairn	2·6	—	23	•	•	•	•	•	•
p Gordon Castle	101	63	3rd	37	29, 1	54·3	42·6	48·3	− 1·3	4	0·49	12	− 5	Gordon Castle..	3·2	—	28	•	•	•	•	•	•
a Aberdeen	46	59	3rd	36	29, 2	53·9	41·3	47·4	− 2·3	7	1·00	26	+ 10	Aberdeen ..	3·7	+ 0·5	33	3	23	•	•	49·9	− 1·6
a Balmoral	930	61	3rd	32	29th	52·4	38·9	45·5	− 0·6	7	0·71	18	− 1	Balmoral ..	•	•	•	2	28	•	•	•	•
p Crieff	432	55	1-3	34	29th	53·4	40·6	46·8	− 2·8	6	1·50	38	+ 17	Crathes	3·1	− 0·3	27	2	28	48·5	− 3·4	51·1	− 1·6
a Dundee	244	58	5th	32	29, 1	54·7	41·4	47·9	− 1·6	5	0·86	22	+ 7	Dundee	3·8	—	34	2	22	48·4	•	•	•
a Leith	30	59	2, 3	39	1, 2	54·7	42·6	48·5	− 2·6	6	0·80	20	+ 7	Leith	•	•	•	0	34	•	•	•	•
p Edinburgh	441	58	3rd	38	1st	52·9	43·4	48·0	− 1·9	5	0·73	19	+ 5	Edinburgh ..	3·2	− 0·2	28	0	35	•	•	•	•
a West Linton	769	55	3rd	31	30th	51·3	37·7	44·3	− 2·3	6	1·54	39	—	West Linton ..	2·4	—	21	4	24	•	•	•	•
p Marchmont	498	57	2nd	34	29th	52·4	40·1	46·1	− 2·7	6	0·87	22	+ 3	Marchmont ..	2·7	− 0·1	24	•	•	•	•	•	•
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	55	2, 3, 4	34	29th	53·4	41·0	47·0	—	7	3·19	79	—	Ford (Argyll) ..	•	•	•	3	25	49·6	•	52·5	•
p Glasgow Observatory	180	54	2, 3	39	30th	52·1	43·9	47·9	− 2·1	5	2·15	55	+ 35	Glasgow.. ..	2·3	− 0·2	20	3	27	•	•	•	•
p Rothesay	200	55	3rd	38	30th	52·4	42·9	47·5	− 3·1	7	2·65	67	+ 41	Rothesay ..	2·0	—	18	0	32	48·6	•	51·6	− 1·0
a Kilmarnock	90	55	2, 3	33	30th	53·7	42·0	47·7	− 1·6	6	2·65	67	+ 46	Kilmarnock ..	1·8	—	16	•	•	47·3	•	51·3	•
a Colmonell	170	57	1st	36	30th	54·7	44·4	49·4	− 1·1	7	3·30	84	+ 59	Colmonell ..	•	•	•	0	33	•	•	•	•
p Cally, Gatehouse ..	120	55	1-3	36	30th	54·0	43·0	48·3	− 1·2	6	2·79	71	+ 44	Dumfries ..	2·6	—	23	3	27	49·2	− 2·7	51·7	− 3·1
p Dumfries	160	55	2, 3, 5	36	1st	53·4	43·3	48·2	− 2·2	5	2·70	69	+ 49	Eskdalemuir ..	2·2	—	19	2	25	•	•	•	•
a Eskdalemuir	794	52	2, 3, 5	32	1st	50·1	38·0	43·9	—	6	4·69	119	—									
b, I. OF MAN p Douglas	277	55	5th	40	29th	52·6	44·9	48·6	− 2·9	7	2·54	65	+ 40	Douglas	3·2	− 0·6	28	0	34	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	58	2, 3	36	1st	54·6	42·7	48·5	− 1·4	5	0·96	24	+ 6									
a Tynemouth	71	58	2nd	31	1st	54·4	41·7	47·9	− 2·7	5	0·55	14	− 1	Cockle Park ..	3·6	0·0	32	0	31	45·9	− 4·5	49·4	− 2·4
p Durham	336	58	2nd	34	1st	54·4	41·1	47·6	− 2·3	6	0·54	14	− 2	Durham	3·9	+ 0·6	35	1	26	•	•	•	•
a North .. p Rounton	249	57	2, 3	33	1st	54·0	40·6	47·1	− 2·5	7	0·78	20	+ 5	Rounton	•	•	•	4	32	50·0	•	•	•
a West Witton ..	605	56	3rd	34	1st	52·6	42·0	47·1	—	6	0·89	23	—	West Witton ..	•	•	•	1	30	48·2	•	51·0	•
p Scarborough	100	60	4th	43	30th	56·4	46·1	51·1	− 0·8	4	0·47	12	− 4	Scarborough† ..	3·7	0·0	32	•	•	•	•	52·5	•
p York	56	62	3rd	35	1st	55·9	42·9	49·2	− 2·0	6	0·41	10	− 4	York	2·8	− 0·4	25	•	•	51·4	− 2·9	54·2	− 0·8
a Spurn Head	26	58	3rd	41	1st	53·4	44·9	48·6	− 4·2	6	0·50	13	+ 1	Spurn Head ..	2·4	—	21	•	•	•	•	•	•
b, South .. a Lincoln	58	59	3, 5	32	1st	54·7	41·7	48·0	− 3·6	4	0·30	8	− 5	Lincoln	•	•	•	1	28	49·9	− 3·8	54·7	− 0·6
a Fulbeck	180	59	3rd	32	1st	54·1	41·1	47·4	− 4·3	7	0·63	16	+ 3	Rauceby	2·4	− 1·6	21	•	•	51·3	− 3·0	54·8	− 0·7
3. ENGLAND, E.														Skegness	2·4	− 1·9	21	•	•	•	•	•	•
p Cromer	196	60	3rd	37	5th	54·1	41·9	47·8	− 5·1	6	0·89	23	+ 11	Cromer	2·3	− 1·6	20	•	•	•	•	•	•
a Little Massingham ..	280	58	3rd	30	1st	52·7	38·4	45·3	− 6·2	5	1·48	38	+ 23	Lit. Massingham	2·2	− 1·4	19	•	•	•	•	•	•
a Yarmouth	13	60	3rd	35	1st	54·6	39·7	46·9	− 5·9	4	1·56	40	+ 26	Yarmouth ..	2·8	—	25	0	32	52·9	− 2·5	56·3	− 1·1
a Norwich	93	60	3rd	34	1st	54·3	40·6	47·3	− 4·8	6	1·70	43	+ 28	Norwich ..	2·7	—	24	1	30	50·5	•	•	•
a Geldeston	37	61	3rd	31	1st	55·4	38·7	46·8	− 5·6	5	1·63	41	+ 28	Geldeston ..	2·7	− 1·3	24	•	•	•	•	•	•
p Cambridge	41	61	3rd	32	1st	54·7	39·3	46·8	− 5·2	3	1·68	43	+ 32	Cambridge ..	2·6	− 1·2	23	3	25	51·7	− 3·3	56·0	− 0·9
a Clacton-on-Sea ..	54	60	3rd	35	1st	54·7	41·4	47·9	− 5·4	3	0·98	25	+ 15	Clacton	3·4	− 0·8	30	0	31	51·6	− 4·5	56·8	− 0·6
a Rothamsted	424	59	3rd	33	1st	52·9	39·7	46·1	− 5·1	5	1·47	37	+ 23	Rothamsted ..	3·3	− 0·5	29	3	27	50·2	•	•	•
p Tottenham	51	61	3rd	36	1st	55·3	41·9	48·4	—	2	1·43	36	—	Tottenham ..	3·3	—	29	0	32	•	•	57·4	− 0·9
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	58	3rd	33	1st	53·6	41·9	47·6	− 2·0	7	0·66	17	+ 2	Harrogate ..	3·1	− 0·2	27	1	26	48·9	− 3·3	51·4	− 1·5
p Sheffield	439	60	3rd	38	1st	53·9	43·7	48·7	—	7	0·63	16	—	Sheffield.. ..	2·6	− 0·4	23	1	30	50·1	− 2·9	53·5	− 0·3
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
a Bawtry	65	60	2, 3	34	1st	55·3	42·4	48·7	− 1·9	6	0·26	7	− 5	Worksop	2·2	− 0·8	19	3	23	50·4	•	53·2	•
a Nottingham	82	58	3rd	32	1st	53·7	39·1	46·2	− 4·8	6	0·84	21	+ 9	Nottingham ..	2·0	− 1·1	18	1	29	48·6	− 4·6	53·5	− 2·0
b, East .. p Birmingham, Edgbsn.	535	57	3rd	38	29, 1	53·1	41·7	47·2	− 3·9	6	0·93	24	+ 11	Birmingham ..	2·3	− 0·3	20	2	27	47·6	− 4·4	52·2	− 0·5
a Raunds	203	62	3rd	31	1st	55·3	39·6	47·2	− 4·3	5	2·19	56	+ 44	Raunds	2·9	—	25	3	22	54·3	•	56·5	•
p Oxford	208	58	3rd	33	1st	53·6	40·3	46·8	− 5·1	5	1·36	35	+ 22	Oxford	3·0	− 0·6	26	1	25	•	•	•	•
a Cheadle (N. Staffs.) ..	646	55	4, 5	32	1st	52·9	39·4	46·0	− 3·8	6	0·96	25	+ 9	Cheadle	•	•	•	3	25	•	•	•	•
c, West .. p Tenbury	313	58	5th	32	1st	54·0	40·1	46·8	− 3·7	6	1·19	30	+ 18	Tenbury	—	—	—	2	27	50·5	•	•	•
a Hereford	291	58	5th	34	1st	55·1	41·3	48·0	− 3·0	5	1·47	37	+ 23	Malvern	3·7	—	32	0	33	50·0	•	54·9	•
a Clifton	229	60	3rd	36	30th	55·1	43·0	48·9	− 4·0	7	1·50	38	+ 16	Clifton	3·9	—	34	0	35	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	58	3rd	29	1st	54·4	38·7	45·3	− 4·9	7	1·70	43	+ 25	Worthing	4·2	− 0·2	37	0	32	53·7	− 2·4	57·8	− 0·1
p Salisbury (Wilton) ..	180	59	3rd	31	1st	55·5	37·6	46·3	− 5·3	3	1·43	36	+ 16	Marlborough ..	3·8	+ 0·5	53	3	24	51·3	•	56·3	•
a Wisley, Surrey ..	150	60	3rd	31	1st	54·7	40·0	47·1	− 4·6	3	1·18	30	+ 13	Salisbury	•	•	•	1	28	52·9	•	•	•
a Tunbridge Wells ..	354	58	3, 4	31	1st	55·7	39·7	47·5	− 4·9	4	0·97	25	+ 5	Wisley	3·5	− 0·2	31	4	20	51·4	− 3·6	55·5	− 1·0
a Margate	51	61	3rd	41	29, 1, 2, 5	55·9	44·0	49·8	− 4·5	3	0·74	19	+ 3	Tunbridge Wells	3·1	− 0·9	27	4	24	53·1	− 3·1	56·4	•
a Dungeness	21	59	3, 4	33	1st	57·7	39·3	48·2	− 5·8	2	0·63	16	− 2	Margate	3·2	− 0·7	28	0	39	53·6	− 1·7	58·2	+ 1·3
p St. Leonards	178	60	3rd	35	1st	57·4	42·1	49·5	− 4·6	3	0·82	21	+ 1	Folkestone ..	3·1	—	27	•	•	•	•	51·6	•
p Southampton	64	59	3rd	33	1st	55·4	40·7	47·8	− 6·1	4	1·26	32	+ 12	St. Leonards ..	3·9	− 0·4	34	0	31	53·9	•	58·3	•
a Ventnor	59	59	3, 4	39	30, 1	57·6	45·3	51·3	− 4·2	3	1·03	26	+ 5	Southampton ..	4·1	+ 0·2	36	3	23	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	59	3rd	34	1st	54·2	39·4	46·6	− 5·8	4	1·27	32	+ 17	Ventnor	4·4	+ 0·3	39	•	•	•	•	•	•
a Westminster	27	62	3rd	34	1st	56·5	41·8	48·9	− 4·8	4	1·14	29	+ 16	Richmond	3·3	− 0·1	29	4	27	51·1	− 3·6	55·6	− 0·4
ag Greenwich	149	61	3rd	34	1st	56·0	41·4	48·5	− 5·3	3	1·15	29	+ 16	Westminster ..	3·3	+ 0·6	29	1	28	•	•	•	•
a Hampstead	450	59	3, 4	32	1st	53·9	40·0	46·7	—	3	1·26	32	—	Greenwich ..	3·2	− 0·8	28	4	23	•	•	•	•
ag Camden Square ..	110	63	3rd	32	1st	56·9	41·0	48·7	− 4·7	5	1·40	36	+ 22	Hampstead ..	3·5	—	31	3	24	•	•	•	•
														Camden Square	2·9	+ 0·2	25	1	28	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	54	5th	36	30th	51·4	42·9	47·0	− 3·1	6	3·34	85	+ 62	Aspatria.. ..	2·2	− 1·5	19	0	31	48·7	− 2·4	51·4	− 1·8
p Newton Rigg	559	57	2nd	31	30th	52·6	41·4	46·8	− 2·3	6	1·82	46	+ 26	Newton Rigg ..	2·4	− 0·9	21	3	25	49·8	− 3·0	52·0	− 1·2
p Stonyhurst	375	57	2nd	35	1st	52·9	42·4	47·5	− 2·8	7	2·44	62	+ 36	Stonyhurst ..	1·9	− 1·3	17	1	30	•	•	•	•
p Blackpool	66	57	2nd	42	30, 1	53·9	46·0	49·8	− 1·8	7	1·35	34	+ 13	Blackpool ..	2·6	− 1·1	23	1	29	52·5	•	54·3	•
a Southport	37	59	2nd	40	1st	54·1	45·0	49·4	− 2·2	7	1·04	26	+ 6	Southport ..	2·8	− 0·8	25	1	28	50·9	− 2·7	55·0	− 0·9
a Liverpool (Bidston) ..	188	58	5th	42	29, 30	53·7	45·0	49·2	− 2·8	6	0·47	12	− 7	Hoylake	3·9	+ 0·4	34	•	•	•	•	•	•
a Hawarden Bridge ..	22	59	2, 5	41	29th	55·3	45·1	50·1	− 2·3	5	0·42	11	− 6	Liverpool	2·2	—	19	0	38	•	•	•	•
p Manchester (Whit. Pk.)	125	58	3, 5	31	1st	54·1	42·0	47·9	− 4·4	7	1·11	28	+ 9	Manchester(City)	1·1	− 1·5	10	1	29	50·6	− 3·4	55·8	− 0·7
														Whitworth Park	1·8	− 1·2	12	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	60	3rd	41	29th	55·1	46·7	50·8	− 2·5	6	1·01	26	+ 6	Llanduduno ..	2·2	− 1·7	19	•	•	•	•	•	•
a Holyhead	15	59	2nd	44	30th	54·7	47·1	50·8	− 2·4	7	1·63	41	+ 18	Holyhead ..	3·0	—	27	0	39	•	•	•	•
a Beddgelert	309	55	5th	39	29th	52·0	43·7	47·7	—	7	8·59	218	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.		%		°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																							
a Aberystwyth	59	56	4, 5	40	30th	54·0	45·3	49·5	—	6	1·76	45	—	Aberystwyth ..	2·9	- 1·1	25	*	*	*	*	*	*
a Rhayader	757	55	5th	30	1st	52·0	40·6	46·1	—	7	1·93	49	—	Rhayader ..	3·5	—	31	4	21	*	*	*	*
a St. Ann's Head	149	56	3, 5	40	30th	53·6	47·3	50·4	- 3·3	6	2·53	64	+ 42	St. Ann's Head ..	3·0	- 0·8	26	*	*	*	*	*	*
p Cardiff	202	59	3rd	35	29th	53·6·7	41·3	47·4·3	- 5·0·7	6	1·96	50	+ 25	Cardiff	3·9	—	34	1	29	52·1	- 2·6	55·7	- 0·6
b. ENGLAND, S.W.																							
a Bath	66	59	3, 5	31	1st	55·9	39·9	47·7	- 4·5	6	1·41	37	+ 20	Bath	*	*	*	*	*	54·5	- 2·9	58·1	- 0·4
a Shaftesbury	722	55	3rd	34	1st	52·6	40·1	46·2	- 5·3	4	1·25	32	+ 11	Shaftesbury ..	*	*	*	*	*	50·7	*	55·8	*
a Arlington	613	57	3rd	38	30th	53·6	42·7	48·0	- 3·5	5	2·66	68	+ 34										
a Hartland Quay ..	100	58	3, 5	41	1st	55·1	48·1	51·5	—	5	1·82	46	—										
a Newquay	190	60	3rd	43	29th	56·7	46·6	51·5	- 3·0	5	1·47	37	+ 15	Newquay ..	3·8	- 0·4	33	0	37	54·3	*	57·1	*
a Cullompton	202	61	3rd	31	1st	56·3	38·9	47·3	- 4·8	7	1·32	34	+ 13	Cullompton ..	3·7	+ 0·2	32	3	28	51·9	*	*	*
a Portland Bill	19	57	2-5	44	1st	55·7	49·4	52·5	- 2·4	4	1·02	26	+ 8	Weymouth ..	4·1	—	36	*	*	*	*	*	*
p Plymouth	116	59	5th	37	1st	56·4	41·9	48·9	- 5·0	5	1·44	37	+ 16	Plymouth ..	3·7	- 0·4	32	*	*	51·7	- 4·6	58·5	*
a Falmouth	167	60	3rd	42	1st	56·7	45·0	50·7	- 3·3	6	1·93	49	+ 23	Falmouth ..	4·0	- 0·3	35	0	34	55·4	*	58·8	*
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	55	2nd	41	29th	51·7	44·6	48·1	- 3·7	7	1·65	42	+ 25	Malin Head ..	2·0	—	18	*	*	*	*	*	*
a Blacksod Point ..	327	57	3rd	42	30, 4	53·6	44·6	49·0	- 3·7	7	2·20	56	+ 29	Markree Castle	3·1	+ 0·3	27	1	28	52·2	- 2·4	54·2	- 1·1
p Markree Castle ..	122	58	3rd	31	2sth	55·3	41·7	48·3	- 2·0	7	2·55	65	+ 43										
b, East .. { *p* Armagh	196	56	3, 5	36	30, 1	53·9	41·7	47·6	- 3·0	6	1·63	41	+ 26	Armagh	2·6	- 0·3	23	1	28	50·8	- 3·4	53·0	- 2·0
a Donaghadee	101	55	3, 5	39	1st	53·1	42·3	47·5	- 4·2	7	1·59	40	+ 24										
10. IRELAND, S.																							
p Dublin, City	47	58	3, 5	38	30th	54·3	44·1	49·1	- 3·1	6	0·85	22	+ 9	Trinity Coll. ..	*	*	*	—	—	—	—	—	—
a Birr Castle	175	57	5th	36	29, 30	54·1	40·0	46·8	- 3·4	6	1·46	37	+ 23	Phœnix Park ..	2·8	- 1·0	25	3	27	*	*	*	*
a Kilkenny	212	57	5th	31	1st	54·6	40·3	47·2	- 3·7	6	1·68	43	+ 28	Dublin City ..	*	*	*	0	35	*	*	*	*
a Waterford	120	56	1, 4	35	1st	54·3	42·7	48·3	- 4·0	6	1·99	51	+ 33	Birr Castle ..	2·9	- 0·6	25	2	29	*	*	*	*
p Seskin, Carrick-on-Suir	541	56	1st	37	30, 1	53·4	42·1	47·6	—	6	1·72	44	—	Seskin	3·7	—	32	1	30	*	*	*	*
a Cahir	199	56	3-5	35	29, 1	54·9	41·9	48·2	- 2·8	6	2·26	57											
a Foynes	50	58	2, 3, 5	37	29th	55·4	45·1	50·1	- 2·0	6	2·47	63	+ 45										
a Cahirciveen (Val. Obs.)	30	57	3, 5	42	29th	51·9	47·4	51·0	- 2·5	6	2·68	68	+ 41	Cahirciveen ..	3·3	- 0·3	29	0	37	*	*	*	*
a Killarney	174	60	3rd	36	30th	57·3	44·3	50·6	- 1·9	6	3·15	80	+ 55	Ballinacurra ..	3·0	- 0·6	26	*	*	*	*	*	*
a Roche's Point	32	56	4, 5	41	1st	54·3	43·9	49·0	- 4·4	6	1·83	47	+ 28										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	59	3rd	46	29, 1	57·0	48·3	52·5	- 2·8	5	0·99	25	+ 5	Scilly	4·6	+ 0·4	40	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	61	29, 3	41	29th	58·7	45·3	51·8	- 4·1	5	0·88	22	- 1	St. Heliers ..	5·4	+ 0·9	47	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	61	3rd	43	29th	57·7	46·9	52·1	- 3·9	4	0·50	13	- 11	Guernsey† ..	5·3	+ 0·7	46	0	38	54·8	- 3·4	59·2	- 0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 5th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Height. Above Ground.	Height. Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	More than 17 m/s or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	Ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	72	90	6	0	169	10	4	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	9	118	41	0	156	9	5	4	20	5	4	15
Aberdeen	153	105	52	—	—	5	1	36	119	12	0	169	11	5	4	24	5	3	35
Edinburgh	485	39	31	5	1	2 to 5	24	110	27	6	0	203	18	5	3	28	5	2	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	1 to 3, 5	36	66	55	11	0	210	17	5	23	26	5	22	40
Paisley	188	81	15	—	—	3 to 5	10	58	81	19	0	191	14	5	2	27	5	23	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	30	2	22	114	30	0	337	11	30	10	20	30	11	30
South Shields	72	61	12	—	—	30	1	52	103	12	0	11	12	30	11	18	30	11	0
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	29, 30	8	43	113	4	0	56	14	29	24	—	—	—	—
Gorleston	52	42	‡	—	—	29, 30, 5	12	84	71	1	0	34	14	30	3	19	30	7	5
Shoeburyness	103	90	‡	—	—	29	2	85	79	2	0	79	13	29	20	19	29	19	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	5	1	48	83	36	0	225	11	5	24	17	5	24	15
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	33	128	7	0	—	9	5	24	10	5	10	25
Brighton	261	53	6	—	—	—	—	82	75	11	0	—	11	5	23	17	30	15	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	29, 3, 5	26	80	54	0	8	337	14	29	20	18	29	19	45
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	24	88	49	7	214	7	5	24	16	5	12	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	21	101	46	0	247	7	4	10	16	5	9	40
Fleetwood (Cup Anr.) ..	109	44	—	—	—	1, 3 to 5	15	129	20	4	0	281	13	4	10	—	—	—	—
Southport	80	62	48	—	—	1 to 5	39	108	20	1	0	270	16	4	7	22	5	16	20
Holyhead	60	40	‡	—	—	30, 2 to 5	77	77	14	0	0	214	17	5	23	25	5	22	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	5	10	29, 30, 2, 3, 5	41	60	44	3	10	225	20	5	24	24	5	24	15
Plymouth	185	88	2	—	—	29, 3, 5	12	53	67	36	0	—	13	5	24	20	29	19	0
Lyme Regis	556	61	‡	—	—	29, 5	12	80	65	11	0	—	16	5	22	22	29	19	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	30, 3 to 5	30	109	26	3	0	214	17	5	2	—	—	—	—
Quilty	100	40	‡	5	1	2 to 5	51	99	15	2	0	—	17	5	24	25	5	23	0
Cahirciveen (Val. Obs.)	98	41	‡	5	2	2 to 5	46	71	48	1	0	205	18	5	19	27	5	18	0
Weaver Pt.	160	30	‡	5	2	30, 2 to 5	48	74	41	3	0	—	18	5	23	29	5	23	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1918—September 29th to October 5th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.											
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	°/₀	mb.
0. SCOTLAND, NORTH ...	59	35	84·2	78·2	81·1	− 1·3	35	− 17	2	0	6	+ 1	1·70	43	+ 12	2·6	−0·2	23	1005
Eastern.																			
1. SCOTLAND, EAST ...	63	31	84·8	77·8	81·2	− 1·4	39	− 16	4	+ 1	6	+ 2	0·95	24	+ 7	3·2	−0·2	28	1007
2. ENGLAND, N.E.	62	31	85·6	78·8	82·1	− 1·6	45	− 20	0	− 1	6	+ 2	0·57	15	0	3·1	−0·5	27	1011
3. ENGLAND, EAST ...	61	30	85·4	77·6	81·3	− 3·0	43	− 30	5	+ 4	4	0	1·43	36	+ 23	2·8	−1·0	25	1015
4. MIDLAND COUNTIES ...	62	31	85·3	77·9	81·5	− 2·0	42	− 24	3	0	6	+ 2	1·14	29	+ 15	2·7	−0·6	24	1015
5. ENGLAND, S.E.	61	29	86·3	77·7	81·8	− 3·0	48	− 32	4	+ 3	4	0	1·10	28	+ 10	3·7	−0·2	33	1016
Western.																			
6. SCOTLAND, WEST ...	57	33	84·8	79·2	81·9	− 1·4	43	− 20	0	− 1	6	+ 2	2·74	70	+ 44	2·8	−0·4	24	1010
7. ENGLAND, N.W.	60	31	85·1	79·8	82·4	− 1·5	48	− 21	0	− 1	6	+ 2	1·49	38	+ 17	2·6	−0·8	23	1013
8. ENGLAND, S.W.	61	30	85·6	78·9	82·2	− 2·4	46	− 30	0	0	6	+ 2	1·75	45	+ 21	3·5	−0·3	31	1017
9. IRELAND, NORTH ...	58	31	85·0	78·8	81·8	− 1·9	41	− 24	0	0	7	+ 3	1·85	47	+ 27	2·9	−0·1	25	1010
10. IRELAND, SOUTH ...	60	31	85·7	79·3	82·4	− 1·8	48	− 26	0	− 1	6	+ 2	2·04	52	+ 33	3·0	−0·6	26	1015
11. ENGLISH CHANNEL ...	61	41	87·3	81·2	84·2	− 2·0	71	− 28	0	0	5	+ 1	0·79	20	− 1	5·1	+0·7	45	1019

THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 1st to October 5th, 1918.

0. SCOTLAND, NORTH ...	64	28	84·6	78·3	81·3	− 2·4	190	−137	11	+ 7	28	+ 5	7·67	195	+ 77	3·5	+0·1	28	1001
Eastern.																			
1. SCOTLAND, EAST ...	68	24	85·8	77·9	81·7	− 2·2	220	−126	16	+ 10	27	+ 9	5·37	135	+ 67	4·1	+0·2	33	1002
2. ENGLAND, N.E.	72	31	87·7	80·7	84·1	− 1·0	349	− 65	0	− 1	27	+11	4·83	124	+ 70	4·6	+0·2	37	1004
3. ENGLAND, EAST ...	74	30	89·1	81·4	85·1	− 0·8	420	− 48	5	+ 4	25	+10	4·90	125	+ 68	4·9	0·0	40	1008
4. MIDLAND COUNTIES ...	70	31	88·2	80·9	84·4	− 0·9	373	− 56	3	− 2	30	+15	6·79	171	+114	4·3	+0·1	35	1008
5. ENGLAND, S.E.	72	29	89·6	82·2	85·7	− 0·8	458	− 43	4	+ 3	24	+ 9	6·02	153	+ 87	5·4	+0·3	44	1010
Western.																			
6. SCOTLAND, WEST ...	69	33	86·5	79·8	83·0	− 1·6	279	−103	0	− 2	29	+11	9·41	240	+130	3·8	−0·2	31	1004
7. ENGLAND, N.W.	74	31	87·3	81·7	84·3	− 1·1	361	− 69	0	− 1	32	+14	9·47	241	+157	3·7	−0·5	30	1006
8. ENGLAND, S.W.	72	30	88·2	82·4	85·2	− 0·9	417	− 56	0	− 1	31	+13	8·51	218	+130	4·2	−0·5	34	1009
9. IRELAND, NORTH ...	68	31	86·5	80·2	83·3	− 1·6	296	−106	0	0	32	+11	7·35	186	+ 98	3·7	0·0	30	1004
10. IRELAND, SOUTH ...	72	31	87·7	81·3	84·4	− 1·2	366	− 82	0	− 1	31	+12	8·53	217	+132	4·1	−0·2	33	1008
11. ENGLISH CHANNEL ...	74	41	89·8	84·6	87·1	− 0·6	539	− 41	0	0	27	+10	5·32	135	+ 58	5·5	−0·2	45	1012

THE YEAR 1918.—Aggregates, &c., for the Period of 40 Weeks, December 30th, 1917, to October 5th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·0	81·0	− 0·2	1750	− 119	525	− 18	184	0	39·83	1009	+ 99	3·4	−0·2	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·6	81·2	− 0·2	1952	−132	633	+ 10	160	+ 4	23·73	601	+ 32	4·0	−0·2	30	1012
2. ENGLAND, N.E.	84	9	86·4	79·2	82·6	+ 0·3	2473	+ 82	394	− 79	141	+ 1	18·97	482	+ 26	4·5	−0·1	34	1014
3. ENGLAND, EAST ...	92	14	87·2	79·2	83·0	0·0	2709	− 33	416	− 79	132	− 3	20·21	515	+ 79	5·1	+0·1	39	1015
4. MIDLAND COUNTIES ...	89	12	87·5	79·1	83·1	+ 0·3	2718	+ 53	405	−122	139	+ 5	22·73	577	+ 91	4·4	0·0	33	1015
5. ENGLAND, S.E.	90	15	87·6	79·8	83·5	− 0·1	2873	− 39	357	− 23	129	− 2	22·90	581	+106	5·3	+0·1	41	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·9	78·9	82·3	+ 0·1	2275	− 10	374	− 44	169	+ 6	35·77	910	+ 70	4·2	−0·2	32	1014
7. ENGLAND, N.W.	84	12	86·4	79·9	83·0	+ 0·3	2558	+ 66	280	−103	152	+ 4	29·17	743	+109	4·6	+0·1	35	1014
8. ENGLAND, S.W.	82	16	87·0	80·1	83·5	+ 0·1	2737	− 6	256	− 46	145	− 2	29·49	753	+ 79	5·2	+0·3	39	1016
9. IRELAND, NORTH ...	80	18	86·1	79·5	82·7	+ 0·1	2394	+ 20	277	− 63	177	− 3	27·86	705	+ 6	4·0	0·0	31	1013
10. IRELAND, SOUTH ...	84	19	87·3	80·2	83·6	+ 0·2	2780	+ 52	217	− 44	169	+10	32·32	820	+ 98	4·6	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·6	81·9	84·6	0·0	3163	− 7	91	− 14	141	− 9	20·37	519	− 29	6·3	+0·4	48	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	°/₀	m'.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 10th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 41.

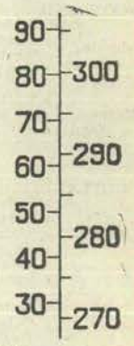
THE FORTY-FIRST WEEK OF 1918.

SUNDAY, OCTOBER 6TH, TO SATURDAY, OCTOBER 12TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was of a changeable, unsettled type throughout, with temperatures slightly above the normal and rainfall generally in excess. In the Midland Counties and England North-East the duration of bright sunshine was normal, in the Channel Islands it was about two hours per day less than the normal, and in England South-East one hour per day less, but in all other districts there was an excess, generally of rather less than one hour. Important depressions passed north-eastward over the Western Coasts of the British Isles during the first half of the week, that of Sunday being especially deep, the barometer reading at its centre, between Iceland and Hebrides, being 965 mb. or 28·5in. Gales were experienced over the western and northern districts until Tuesday, the direction of the wind being mostly south-westerly. Temperature was rather fitful, some of the night minima in the southern districts being about 285 a., while on other nights the thermometer went down to between 277 a. and 275 a.; the lowest screen minima were 270 a. at Balmoral and 269 a. at Fort Augustus on the 12th. Frost on the grass occurred at the inland stations generally, the lowest readings being 270 a. at Phœnix Park, Dublin, 269 a. at Wisley and Tunbridge Wells, and 267 a. at West Linton; in the west and north of Scotland the rain was very heavy on the 8th and 9th, 37mm. being recorded at Fort Augustus on the 8th, 37mm. at Ford (Argyll) on the 9th, and 73mm. at Fort William on the same day; at Beddgelert (Snowdonia) the fall on the 9th was as much as 82mm. Thunder and lightning occurred in the west and north between the 6th and 8th, and were accompanied by hail in many places. Solar halos were observed at Oxford on the 7th and 8th and at Aberdeen on the 12th, and mock suns at Kew Observatory soon after sunrise on the 5th. An aurora was witnessed in the north and east of Scotland, and also at Tenbury, Worcestershire, on the 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	6·7	23	7·4	—	—	21	3·8	21	6·3	10	6·3	21	7·3	18	6·3
North	2	1·8	2	1·1	—	—	6	2·1	7	5·8	16	5·2	5	2·5	8	3·4
West	21	4·8	25	7·6	—	—	23	2·5	25	7·4	26	7·4	26	6·8	25	7·0
East	5	2·9	2	1·7	—	—	0	—	1	1·9	0	0	1	1·3	1	1·1
Calm	0	—	1	—	—	—	1	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Scanty	Moderate	Scanty	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 6 weeks from Sept. 1st, 1918.	Warmth ...	0, 1, 5	0, 2, 4	1, 2, 3	1, 3, 2	0, 4, 2	1, 2, 3	0, 1, 5	0, 3, 3	0, 3, 3	0, 1, 5	0, 2, 4	1, 2, 3
	Rainfall ...	4, 2, 0	4, 2, 0	3, 3, 0	5, 0, 1	4, 2, 0	4, 2, 0	5, 0, 1	6, 0, 0	4, 2, 0	5, 1, 0	5, 1, 0	3, 3, 0
	Sunshine ...	3, 2, 1	3, 2, 1	1, 5, 0	1, 3, 2	1, 4, 1	1, 4, 1	1, 3, 2	2, 2, 2	0, 5, 1	3, 2, 1	2, 3, 1	0, 5, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(19827—19.) Wt. 199—789. 625. 10/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands .. a Lerwick	54	52	9th	40	12th	49·6	42·3	45·8	− 0·9	5	0·69	17	− 6
p Deerness	160	55	10th	40	12th	51·6	44·4	47·9	—	7	1·46	37	+ 15
a Stornoway	31	56	9th	35	12th	51·7	42·9	47·2	+ 0·1	6	1·73	44	+ 14
a Castlebay, Barra Isd.	37	56	9th	42	8th	51·6	45·9	48·7	—	7	0·87	22	—
b, Mainland. a Wick	81	57	9th	36	12th	53·0	42·9	47·8	+ 0·8	7	0·72	18	+ 1
p Glencarron	500	56	9–10	32	12–	57·9	38·4	44·9	−1·2	6	5·33	140	+ 92
a Fort Augustus	68	58	7-9	25	12th	55·4	38·9	46·9	− 0·2	5	4·19	?106	+ 83
p Fort William	171	56	9, 10	31	12th	53·1	41·3	47·0	− 0·9	6	5·43	138	+ 98
1. SCOTLAND, E.													
a Nairn	82	58	10th	33	12th	52·6	41·0	46·6	+ 0·1	4	0·75	19	+ 5
p Gordon Castle	101	61	10th	33	12th	55·7	42·6	49·0	+ 1·4	5	0·24	6	− 12
a Aberdeen	46	60	9th	38	12th	55·0	42·6	48·6	+ 0·9	3	0·52	13	− 4
a Balmoral	930	60	10th	26	12th	49·9	38·3	43·9	− 0·1	6	1·08	27	+ 6
p Crieff	432	58	10th	33	12th	54·1	38·7	46·2	− 1·1	6	1·65	42	+ 19
a Dundee	244	58	11th	34	12th	55·4	41·0	48·0	+ 0·8	4	0·70	18	+ 2
a Leith	30	62	9th	38	12th	55·1	43·6	49·2	+ 0·2	5	0·88	22	+ 8
p Edinburgh	441	61	9, 10	37	12th	54·9	41·7	48·1	+ 0·2	5	0·84	21	+ 6
a West Linton	769	59	9, 10	27	12th	53·0	39·3	46·0	+ 1·4	5	1·59	40	—
p Marchmont	498	59	11th	38	9th	55·0	40·4	47·5	+ 0·8	5	0·86	22	0
6. a, SCOTLAND, W.													
a Ford (Argyll)	149	58	9th	30	12th	52·7	42·3	47·4	—	6	3·79	96	—
p Glasgow Observatory	180	60	10th	37	12th	54·0	43·1	48·4	+ 0·3	6	2·34	60	+ 41
p Rothesay	200	59	10th	37	12th	53·7	42·1	47·7	− 1·1	6	2·79	71	+ 46
a Kilmarnock	90	60	9th	31	12th	54·4	43·4	48·7	+ 1·2	6	1·76	45	+ 25
a Colmonell	170	59	9th	38	7th	53·7	43·9	48·7	− 0·1	5	1·74	44	+ 19
p Cally, Gatehouse	120	57	9, 10	37	12th	55·0	43·3	49·0	+ 1·2	5	1·33	34	+ 7
p Dumfries	160	59	9th	37	12th	55·0	43·0	48·8	+ 0·4	5	1·15	29	+ 8
a Eskdalemuir	794	56	9th	35	12th	50·6	39·9	45·1	—	5	2·40	61	—
b, I. OF MAN p Douglas	277	56	9, 10	40	7th	54·1	43·7	48·8	− 1·0	5	1·68	43	+ 17
2. ENGLAND, N.E.													
a North .. a Alnwick Castle	210	66	10th	39	12th	57·7	43·1	50·2	+ 2·0	7	0·66	17	− 5
a Tynemouth	71	64	10th	42	12th	56·0	45·1	50·4	+ 1·5	5	0·51	13	− 5
p Durham	336	61	10th	38	12th	54·9	42·0	48·3	+ 0·2	6	0·54	14	− 5
p Rounton	249	62	10th	41	12th	55·4	44·6	49·8	+ 1·9	6	0·44	11	− 6
a West Witton	605	60	10th	40	8th	54·0	43·9	48·8	—	7	0·99	25	0
p Scarborough	100	63	10th	45	6, 8	58·4	47·1	52·6	+ 2·5	4	0·38	10	− 9
p York	56	66	10th	41	9th	57·4	45·4	51·2	+ 1·9	5	0·34	9	− 7
b, South .. a Spurn Head	26	61	10th	42	8, 9	55·1	45·9	49·9	− 1·1	6	0·95	24	+ 9
a Lincoln	58	65	10th	38	9th	57·4	44·4	50·7	+ 1·1	7	0·91	23	+ 7
a Fulbeck	180	63	10th	38	9th	57·0	44·6	50·6	+ 0·9	7	1·05	27	+ 12
3. ENGLAND, E.													
p Cromer	196	61	6, 10	37	9th	56·9	43·9	50·2	− 1·0	4	0·95	24	+ 7
a Little Massingham	280	61	6th	35	9th	55·6	42·0	48·6	− 1·2	5	0·98	25	+ 6
a Yarmouth	13	65	10th	38	8, 9	56·3 (57·7)	43·9	49·9 (50·6)	− 1·3 (0·6)	4	1·08	28	+ 10
a Norwich	93	62	6th	36	9th	57·6	45·1	51·2	+ 0·8	4	1·52	39	+ 20
a Geldeston	37	66	10th	34	9th	59·9	43·1	51·3	+ 0·5	6	1·23	31	+ 14
p Cambridge	41	63	6th	35	9th	57·6	46·4	51·8	+ 1·6	4	0·65	17	+ 2
a Clacton-on-Sea	54	62	6, 10	41	6, 9	56·9	47·0	51·8	+ 0·1	4	0·79	20	+ 8
a Rothamsted	424	61	6th	35	8, 9	55·4	44·1	49·6	+ 0·1	5	0·82	21	+ 2
p Tottenham	51	63	6th	40	9th	58·4	45·9	52·0	—	5	0·37	9	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	62	10th	40	8th	55·4	42·9	49·0	+ 0·9	5	0·50	13	− 3
p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—
b, East .. a Bawtry	65	60	6, 9	37	12th	57·6	42·3	49·7	+ 0·8	4	0·38	10	− 6
a Nottingham	82	63	10th	37	9th	56·7	44·1	50·2	+ 0·8	5	0·43	11	− 5
p Birmingham, Edgbsn.	535	60	10th	39	9th	55·1	44·9	49·9	+ 0·4	6	0·55	14	− 4
a Raunds	203	62	10th (9)	36	8th	57·0	43·7	50·2	+ 0·5	7	0·70	18	+ 2
p Oxford	208	61	10th	39	9th	55·9	46·6	51·1	+ 0·8	6	0·74	19	+ 1
c, West .. a Cheadle (N. Staffs.)	646	61	10th	35	8th	56·0	42·1	48·8	+ 0·6	6	0·95	24	+ 3
p Tenbury	313	60	10, 11	40	8th	56·7	43·7	50·0	+ 1·0	5	0·51	13	− 4
a Hereford	291	59	9–10	40	9–	56·9	44·9	50·7	+1·2	6	0·44	11	− 8
a Clifton	229	61	10th	43	8, 9	57·1	47·1	52·0	+ 0·8	5	0·92	23	− 5
5. ENGLAND, S.E.													
a Marlborough	424	60	6th	34	8, 9	55·3	44·0	49·5	+ 0·8	6	1·11	28	+ 9
p Salisbury (Wilton)	180	62	6th	36	8, 9	57·5	44·4	50·8	+ 0·9	6	0·93	24	+ 2
a Wisley, Surrey	150	63	6th	37	8, 9	58·4	46·1	52·1	+ 2·1	4	0·51	13	− 4
a Tunbridge Wells	354	62	6, 10	35	9th	57·7	45·9	51·6	+ 0·8	7	1·06	27	+ 6
a Margate	51	64	6, 10	39	9th	59·6	48·1	53·7	+ 1·1	6	0·79	20	+ 4
a Dungeness	21	61	6th	37	9th	58·9	47·4	53·0	+ 0·5	6	1·02	26	+ 7
p St. Leonards	178	62	6, 10	39	9th	58·6	47·9	53·1	+ 0·5	6	0·86	22	+ 1
p Southampton	64	63	6th	38	9th	58·3	47·0	52·5	+ 0·2	6	0·68	17	− 5
a Ventnor	59	61	6, 10	45	8, 9	58·0	50·3	54·0	− 0·1	6	0·60	15	− 7
LONDON. p Richmond (Kew Obs.)	18	62	6th	39	8, 9	58·0	45·6	51·6	+ 0·9	5	0·51	13	− 2
a Westminster	27	64	6th	39	8, 9	59·7	47·8	53·6	+ 1·6	6	0·53	14	+ 1
ag Greenwich	149	64	6, 10	38	9th	59·7	46·9	53·1	+ 1·5	5	0·46	12	− 1
a Hampstead	450	61	6th	37	8th	56·3	45·6	50·8	—	6	0·43	11	—
ag Camden Square	110	65	6th	38	8, 9	58·7	46·7	53·0	+ 1·5	4	0·46	12	− 3
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	58	10th	35	12th	52·9	42·4	47·5	− 0·9	5	1·16	30	+ 6
p Newton Rigg	559	59	9–11	34	12th	56·0	39·9	47·7	+ 0·2	5	1·26	32	+ 10
p Stonyhurst	375	62	10th	42	8th	55·1	44·6	49·7	+ 1·1	5	1·63	42	+ 16
p Blackpool	66	62	10th	42	12th	56·0	46·0	50·9	+ 0·9	5	1·37	35	+ 14
a Southport	37	63	10th	44	7-9, 12	56·6	45·7	51·0	+ 1·0	5	1·43	36	+ 16
a Liverpool (Bidston)	188	62	10th	43	9th	55·4	46·0	50·6	+ 0·3	5	0·98	25	+ 6
a Hawarden Bridge	22	65	9th	44	9, 11	58·1	46·4	52·1	+ 1·3	5	0·65	17	0
p Manchester (Whit. Pk.)	125	63	10th	41	8th	55·9 (56·6)	44·7	50·4 (50·6)	− 0·5 (0·0)	6	1·32	34	+ 15
b, NORTH WALES.													
p Llandudno	16	64	10th	45	7th	57·4	47·1	52·1	+ 0·3	6	0·61	16	− 4
a Holyhead	15	57	6, 9, 10	46	8, 9, 12	55·1	47·9	51·4	− 0·5	7	1·65	42	+ 19
a Beddgelert	309	56	9, 10	40	12th	53·9	45·7	49·7	—	7	5·59	142	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness	3·1	+ 0·6	29	•	•	•	•	•	•
Stornoway	2·7	− 0·1	25	•	•	•	•	•	•
Castlebay	3·2	—	30	•	•	•	•	•	•
Fort Augustus	—	—	—	•	•	•	•	•	•
Nairn	3·4	—	32	•	•	•	•	•	•
Gordon Castle	4·4	—	41	•	•	•	•	•	•
Aberdeen	3·6	+ 0·4	34	2	23	•	•	49·5	−1·5
Balmoral	•	•	•	2	24	•	•	•	•
Crathes	3·9	+ 0·8	36	2	27	48·9	−1·5	50·5	−1·5
Dundee	3·5	—	33	2	26	47·4	•	•	•
Leith	•	•	•	0	34	•	•	•	•
Edinburgh	4·0	+ 0·6	37	0	34	•	•	•	•
West Linton	2·7	—	25	1	21	•	•	•	•
Marchmont	2·3	− 0·5	21	•	•	•	•	•	•
Ford (Argyll)	•	•	•	1	21	49·5	•	51·6	•
Glasgow	1·9	− 0·3	18	1	25	•	•	•	•
Rothesay	2·2	—	20	0	31	48·4	•	50·6	−1·5
Kilmarnock	2·9	—	27	•	•	49·1	•	50·6	•
Colmonell	•	•	•	0	35	•	•	•	•
Dumfries	3·3	—	30	1	30	49·5	−1·1	51·1	−2·7
Eskdalemuir	1·5	—	14	1	28	•	•	•	•
Douglas	4·4	+ 1·0	40	0	37	•	•	•	•
Cockle Park	3·7	+ 0·4	34	0	33	46·8	−2·5	49·0	−2·2
Durham	2·8	− 0·2	26	1	28	•	•	•	•
Rounton	•	•	•	0	32	50·0	•	•	•
West Witton	•	•	•	0	32	48·6	•	50·0	•
Scarborough†	3·9	+ 0·5	36	•	•	•	•	52·5	•
York	3·2	+ 0·3	29	•	•	51·0	−2·2	53·2	−1·2
Spurn Head	3·0	—	28	•	•	•	•	•	•
Lincoln	•	•	•	0	34	50·5	−2·0	53·4	−1·2
Rauceby	2·8	− 0·6	26	•	•	51·6	−1·2	53·7	−1·1
Skegness	2·7	− 1·2	25	•	•	•	•	•	•
Cromer	2·5	− 1·3	23	•	•	•	•	•	•
Lit. Massingham	2·5	− 1·0	23	•	•	•	•	•	•
Yarmouth	3·0	—	28	0	35	52·4	−1·9	54·9	−1·5
Norwich	2·6	—	24	0	32	50·4	•	•	•
Geldeston	2·7	− 1·2	25	•	•	•	•	•	•
Cambridge	2·2	− 1·6	20	1	29	52·0	−1·7	54·6	−1·5
Clacton	2·5	− 1·5	23	0	36	52·4	−3·0	55·1	−1·6
Rothamsted	2·1	− 1·5	19	2	27	50·4	•	•	•
Tottenham	2·0	—	18	0	36	•	•	55·7	−1·8
Harrogate	3·7	+ 0·6	34	0	35	49·2	−2·0	50·5	−1·7
Sheffield	—	—	—	—	—	—	—	—	—
Buxton	—	—	—	—	—	—	—	—	—
Worksop	3·5	+ 0·6	32	2	29	50·8	•	52·1	•
Nottingham	3·0	+ 0·1	28	0	32	49·6	−2·4	52·1	−2·7
Birmingham	2·9	+ 0·5	27	0	35	49·2	−2·0	51·3	−1·1
Raunds	3·3	—	30	2	27	52·0	•	55·5	•
Oxford	2·4	− 1·1	22	0	33	•	•	•	•
Cheadle	•	•	•	2	29	•	•	•	•
Tenbury	—	—	—	0	34	51·0	•	•	•
Malvern	3·7	—	34	0	32	50·7	•	53·6	•
Clifton	3·5	—	32	0	39	•	•	•	•
Worthing	3·1	− 1·1	28	0	33	53·9	−1·2	56·5	−0·7
Marlborough	2·5	− 0·7	23	2	28	51·9	•	54·7	•
Salisbury	•	•	•	0	31	52·8	•	•	•
Wisley	2·9	− 0·6	26	2	25	52·0	−1·9	54·0	−1·7
Tunbridge Wells	2·4	− 1·4	22	2	25	53·2	•	55·1	•
Margate	2·3	− 1·4	21	0	35	53·6	−0·6	56·4	+0·3
Folkestone	1·8	—	16	•	•	•	•	53·5	•
St. Leonards	2·3	− 1·8	21	0	31	53·6	•	56·6	•
Southampton	3·0	− 0·8	27	2	29	•	•	•	•
Ventnor	2·7	− 1·3	25	•	•	•	•	•	•
Richmond	2·4	− 0·8	22	2	28	51·6	−1·9	54·1	−1·3
Westminster	2·3	− 0·2	21	0	32	•	•	•	•
Greenwich	2·4	− 1·1	22	2	28	•	•	•	•
Hampstead	2·2	—	20	0	31	•	•	•	•
Camden Square	1·7	− 0·8	16	0	33	•	•	•	•
Aspatria	2·0	− 1·4	18	0	31	48·7	−1·4	50·8	−1·7
Newton Rigg	2·0	− 0·9	18	1	26	49·6	−2·1	51·2	−1·3
Stonyhurst	3·5	+ 0·7	32	0	35	•	•	•	•
Blackpool	4·7	+ 1·3	43	1	29	51·9	•	53·5	•
Southport	4·7	+ 1·5	43	0	32	50·6	−1·3	53·9	−0·9
Hoylake	5·6	+ 2·5	51	•	•	•	•	•	•
Liverpool	5·7	—	52	0	37	•	•	•	•
Manchester (City)	3·1	+ 0·8	28	0	34	50·5	−2·2	54·4	−1·4
Whitworth Park	3·2	+ 1·0	29	•	•	•	•	•	•
Llandudno	3·6	+ 0·1	33	•	•	•	•	•	•
Holyhead	3·6	—	33	0	?40	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	58	10th	40	12th	55·3	47·9	51·5	—	5	1·20	30	—	Aberystwyth ..	3·4	− 0·2	31	*	*	*	*	*	*
a Rhayader	757	59	10th	40	8, 9	53·7	44·0	48·7	—	7	1·83	47	—	Rhayader ..	4·2	—	39	1	30	*	*	*	*
a St. Ann's Head ..	149	58	10th	42	12th	54·7	49·3	51·9	− 0·6	7	1·26	32	+ 8	St. Ann's Head	4·5	+ 1·1	41	*	*	*	*	*	*
p Cardiff	202	62	10th	41	8th	56·4	45·9	51·0	+ 0·6	6	1·51	38	+ 10	Cardiff	4·1	—	38	0	31	52·1	-1·6	54·6	-1·1
b, ENGLAND, S.W.																							
a Bath	66	61	6, 10	36	9th	57·9	48·0	52·8	+ 2·8	5	0·74	19	0	Bath	*	*	*	*	*	54·2	-2·3	56·7	-1·2
a Shaftesbury	722	58	6th	39	8th	54·4	44·0	49·1	− 0·7	6	0·71	18	− 5	Shaftesbury ..	*	*	*	*	*	51·4	*	54·5	*
a Arlington	613	58	10th	41	8th	55·1	46·1	50·5	+ 0·5	6	1·84	47	+ 10										
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	61	10th	45	12th	56·4	49·3	52·8	− 0·4	7	1·86	47	+ 24	Newquay ..	4·1	+ 0·3	38	0	41	54·4	*	56·0	*
a Cullompton	202	61	10th	35	8th	57·9	44·4	51·0	+ 0·6	7	0·78	20	− 4	Cullompton ..	3·0	− 0·1	28	1	29	52·4	*	*	*
a Portland Bill	19	59	6, 10	49	12th	57·0	51·4	54·1	+ 0·6	6	0·67	17	− 5	Weymouth ..	3·1	—	28	*	*	*	*	*	*
p Plymouth	116	61	6th	43	8, 12	57·6	48·7	53·0	+ 0·6	4	0·82	21	− 2	Plymouth ..	4·3	+ 0·6	39	*	*	53·0	-2·2	55·4	*
a Falmouth	167	60	6th	43	8th	57·0	47·7	52·2	− 0·5	7	1·73	44	+ 15	Falmouth ..	4·4	+ 0·5	40	4	30	55·4	*	57·4	*
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	56	9th	41	8th	51·3	43·9	47·5	− 2·3	7	1·38	35	+ 18	Malin Head ..	2·9	—	18	*	*	*	*	*	*
a Blacksod Point ..	327	58	9th	40	12th	52·8	43·9	48·3	− 2·4	6	1·65	42	+ 13	Markree Castle	3·6	+ 0·8	33	2	29	51·2	-2·3	53·4	-1·3
p Markree Castle ..	122	59	9, 10	35	11th	55·3	40·9	47·9	− 0·2	7	2·31	59	+ 35										
b, East .. { *p* Armagh	196	59	9, 10	33	12th	54·4	41·0	47·5	− 0·8	6	1·52	39	+ 23	Armagh	3·4	+ 0·6	31	1	27	50·3	-2·7	52·2	-2·2
a Donaghadee	101	60	9th	40	8, 9	54·0	43·4	48·5	− 1·2	7	1·27	32	+ 15										
10. IRELAND, S.																							
p Dublin, City	47	63	9th	38	12th	56·3	44·1	50·0	− 0·6	5	0·59	15	− 1	Trinity Coll. ..	*	*	*	1	32	54·8	-2·0	53·2	-1·5
a Birr Castle	175	61	9th	34	12th	55·1	42·9	48·8	+ 0·4	5	1·69	43	+ 26	Phœnix Park ..	4·3	+ 0·8	39	1	26	*	*	*	*
a Kilkenny	212	62	9th	36	12th	55·7	43·3	49·3	+ 0·1	6	1·10	28	+ 9	Dublin City ..	*	*	*	0	34	*	*	*	*
a Waterford	120	57	6, 9	37	12th	54·4	43·4	48·7	− 2·1	6	0·91	23	0	Birr Castle ..	3·7	+ 0·4	34	1	28	*	*	*	*
p Seskin, Carrick-on-Suir	541	61	9th	36	12th	54·4	42·6	48·4	—	6	1·16	29	—	Seskin	4·7	—	43	0	33	*	*	*	*
a Cahir	199	62	9th	38	12th	54·7	45·0	49·7	− 0·9	6	2·02	51	+ 29										
a Foynes	50	62	9th	38	12th	54·7	45·0	49·7	− 0·9	6	2·02	51	+ 29										
a Cahirciveen (Val. Obs.)	30	58	9th	42	12th	54·3	46·7	50·4	− 1·8	6	2·09	53	+ 20	Cahirciveen ..	4·5	+ 1·1	41	0	37	*	*	*	*
a Killarney	174	66	9th	41	8, 12	57·9	45·6	51·6	+ 0·7	7	2·07	53	+ 21	Ballinacurra ..	4·6	+ 1·3	42	*	*	*	*	*	*
a Roche's Point	32	56	6, 8, 9	40	12th	54·6	45·1	49·7	− 2·3	7	1·04	26	+ 2										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	59	10th	47	9th	56·3	49·9	53·0	− 1·4	7	0·89	23	+ 2	Scilly	5·8	+ 1·6	53	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	62	6, 10	46	8th	58·7	51·0	54·7	+ 0·1	7	1·31	33	+ 8	St. Heliers ..	2·2	− 2·3	20	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	64	10th†	47	8, 9	58·6	50·9	54·6	+ 0·1	6	1·09	23	+ 2	Guernsey† ..	3·1	− 1·5	28	0	41	54·4	-3·0	57·5	-1·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 12th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	6	1	5 to 10	57	78	31	1	0	225	17	6	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	6, 7	4	39	82	9	34	203	12	6	11	28	6	11	25
Aberdeen	153	105	52	—	—	6, 7	13	65	80	10	0	214	16	6	11	34	7	7	35
Edinburgh	485	39	31	6, 7	9	6 to 10	71	44	35	9	0	203	24	7	5	34	7	5	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	6, 7, 10	11	6 to 10	48	56	30	23	0	230	20	7	12	31	7	10	25
Paisley	188	81	15	—	—	6, 7, 10	22	79	57	10	0	203	14	10	3	33	6	11	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	6	5	72	62	29	0	225	12	6	13	24	6	13	40
South Shields	72	61	12	—	—	6, 7	8	80	53	27	0	259	13	6	11	26	6	16	55
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	63	99	6	0	—	9*	6	7	—	—	—	—
Gorleston	52	42	‡	—	—	6, 7, 9	21	101	39	3	4	—	14	9	16	19	9	15	55
Shoeburyness	103	90	‡	—	—	6, 7, 9	13	61	77	3	14	203	14	9	14	19	7	11	55
4. MIDLAND COUNTIES.																			
Beeson	270	84	‡	—	—	6, 7, 9	5	68	84	11	0	180	12	9	11	19	6	13	10
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	54	110	4	0	—	10	6	6	21	7	10	15
Brighton	261	53	6	—	—	6, 7, 9	12	56	89	11	0	—	13	6	7	21	7	11	25
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	6, 7, 9, 10	28	73	36	0	31	200	15	6	3	21	6	13	50
Richmond (Kew Obs.) ..	82	65	32	—	—	—	—	39	109	37	1	214	10	6	5	19	6	5	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	7	2	60	67	39	0	203	12	7	11	22	7	10	40
Fleetwood (Cup Anr.) ..	109	44	—	6, 7	2	6 to 9	62	52	46	6	0	225	19	6	11	—	—	—	—
Southport	80	62	48	6, 7	19	6 to 10	67	55	26	1	0	236	21	7	11	32	7	16	20
Holyhead	60	40	‡	7	5	6 to 10	89	51	23	0	0	236	20	7	9	28	7	5	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	6, 7	9	6 to 10	58	60	38	3	0	225	24	6	3	29	6	3	40
Plymouth	185	88	2	—	—	6, 7, 9	11	54	71	32	9	—	14	6	4	22	6	21	5
Lyme Regis	558	61	‡	—	—	6, 7	15	86	54	13	0	—	16	6	3	22	6	3	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	6, 7	8	6 to 9	50	82	27	1	0	236	19	7	14	—	—	—	—
Quilty	100	40	‡	6, 7	18	6 to 10	70	69	7	4	0	—	22	7	6	39	7	5	15
Cahirciveen (Val. Obs.)	98	41	‡	7	2	6 to 10	51	67	27	5	16	240	18	7	4	33	7	5	50
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	6 to 8, 12	48	103	17	0	0	293	15	7	8	24	7	16	45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIRST WEEK of 1918—October 6th to October 12th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	25	84·4	78·4	81·3	− 0·0	36	− 6	4	− 4	6	+ 1	2·55	65	+ 36	2·9	+0·3	27	996
Eastern.																			
1. SCOTLAND, EAST ...	62	26	85·1	77·9	81·4	0·0	41	− 6	3	− 3	5	+ 1	0·95	24	+ 4	3·4	+0·5	32	997
2. ENGLAND, N.E.	65	38	86·7	80·0	83·2	+ 0·5	58	+ 3	0	− 2	6	+ 2	0·64	16	− 2	3·2	−0·1	29	1008
3. ENGLAND, EAST ...	66	34	87·0	80·0	83·4	0·0	61	− 4	0	− 3	5	+ 1	0·93	24	+ 8	2·4	−1·3	22	1013
4. MIDLAND COUNTIES ...	63	35	86·6	79·8	83·1	+ 0·4	57	− 1	0	− 5	5	+ 1	0·63	16	− 3	3·2	0·0	29	1012
5. ENGLAND, S.E.	64	34	87·4	81·2	84·2	+ 0·2	71	− 1	0	− 3	6	+ 2	0·81	21	+ 2	2·5	−1·2	23	1014
Western.																			
6. SCOTLAND, WEST ...	60	31	85·3	79·2	82·1	− 0·2	45	− 7	0	− 3	6	+ 2	2·07	53	+ 26	3·2	+0·3	29	1004
7. ENGLAND, N.W.	65	34	86·2	80·2	83·1	0·0	57	− 2	0	− 1	5	+ 1	1·19	30	+ 8	3·6	+0·6	33	1009
8. ENGLAND, S.W.	62	35	86·4	81·3	83·8	0·0	66	− 2	0	− 1	6	+ 2	1·19	30	+ 3	4·0	+0·6	37	1013
9. IRELAND, NORTH ...	61	33	85·1	78·9	81·9	− 0·4	43	− 9	0	− 2	6	+ 1	1·64	42	+ 20	3·5	+0·7	32	1003
10. IRELAND, SOUTH ...	66	34	85·9	80·1	82·9	− 0·4	55	− 6	0	− 1	6	+ 2	1·44	37	+ 14	4·3	+0·9	39	1011
11. ENGLISH CHANNEL ...	64	46	87·4	83·3	85·3	− 0·3	85	− 4	0	0	7	+ 2	1·10	28	+ 5	3·7	−0·7	34	1017

THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, September 1st to October 12th, 1918.

0. SCOTLAND, NORTH ...	64	25	84·6	78·3	81·3	− 2·0	226	− 143	12	+ 3	34	+ 6	10·22	260	+113	3·4	+0·2	28	1000
Eastern.																			
1. SCOTLAND, EAST ...	68	24	85·7	77·9	81·6	− 1·9	261	−132	19	+ 7	32	+10	6·32	159	+ 71	4·0	+0·3	33	1001
2. ENGLAND, N.E.	72	31	87·6	80·6	84·0	− 0·7	407	− 62	0	− 3	33	+13	5·47	140	+ 68	4·3	+0·1	36	1005
3. ENGLAND, EAST ...	74	30	88·8	81·2	84·8	− 0·7	481	− 52	5	+ 1	30	+11	5·83	149	+ 76	4·5	−0·2	38	1009
4. MIDLAND COUNTIES ...	70	31	88·0	80·7	84·2	− 0·7	430	− 57	3	− 7	35	+16	7·42	187	+111	4·1	+0·1	34	1009
5. ENGLAND, S.E.	72	29	89·2	82·0	85·4	− 0·7	529	− 44	4	0	30	+11	6·83	174	+ 89	4·9	0·0	41	1010
Western.																			
6. SCOTLAND, WEST ...	69	31	86·3	79·7	82·8	− 1·4	324	−110	0	− 5	35	+13	11·48	293	+156	3·7	−0·1	31	1004
7. ENGLAND, N.W.	74	31	87·1	81·4	84·1	− 0·9	418	− 71	0	− 2	37	+15	10·66	271	+165	3·7	−0·3	31	1006
8. ENGLAND, S.W.	72	30	87·9	82·2	84·9	− 0·8	483	− 58	0	− 2	37	+15	9·70	248	+133	4·2	−0·3	35	1010
9. IRELAND, NORTH ...	68	31	86·3	80·0	83·0	− 1·5	339	−115	0	− 2	38	+12	8·99	228	+118	3·6	+0·1	30	1004
10. IRELAND, SOUTH ...	72	31	87·4	81·1	84·1	− 1·1	421	− 88	0	− 2	37	+14	9·97	254	+146	4·1	0·0	34	1008
11. ENGLISH CHANNEL ...	74	41	89·4	84·4	86·8	− 0·6	624	− 45	0	0	34	+12	6·42	163	+ 63	5·2	−0·3	43	1013

THE YEAR 1918.—Aggregates, &c., for the Period of 41 Weeks, December 30th, 1917, to October 12th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·1	81·0	− 0·2	1786	−125	526	− 22	190	+ 1	42·88	1074	+135	3·4	−0·1	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·6	81·2	− 0·2	1993	−138	636	+ 7	165	+ 5	24·68	625	+ 36	4·0	−0·2	30	1012
2. ENGLAND, N.E.	84	9	86·4	79·2	82·6	+ 0·3	2531	+ 85	394	− 81	147	+ 3	19·61	498	+ 24	4·5	−0·1	34	1014
3. ENGLAND, EAST ...	92	14	87·2	79·2	83·0	0·0	2770	− 37	416	− 82	137	− 2	21·14	539	+ 87	5·0	0·0	38	1015
4. MIDLAND COUNTIES ...	89	12	87·5	79·1	83·1	+ 0·3	2775	+ 52	405	−127	144	+ 6	23·36	593	+ 88	4·4	0·0	33	1015
5. ENGLAND, S.E.	90	15	87·6	79·8	83·5	− 0·1	2944	− 40	357	− 26	135	0	23·71	602	+108	5·2	0·0	40	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·9	78·9	82·3	+ 0·1	2320	− 17	374	− 47	175	+ 8	37·84	963	+ 96	4·2	−0·1	32	1013
7. ENGLAND, N.W.	84	12	86·4	79·9	83·0	+ 0·3	2615	+ 64	280	−104	157	+ 5	30·36	773	+117	4·5	0·0	35	1014
8. ENGLAND, S.W.	82	16	87·0	80·2	83·5	+ 0·1	2803	− 8	256	− 47	151	0	30·68	783	+ 82	5·1	+0·2	39	1016
9. IRELAND, NORTH ...	80	18	86·1	79·5	82·7	+ 0·1	2437	+ 11	277	− 65	183	− 2	29·50	747	+ 26	4·0	0·0	31	1013
10. IRELAND, SOUTH ...	84	19	87·2	80·2	83·6	+ 0·2	2835	+ 46	217	− 45	175	+12	33·76	857	+112	4·6	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·6	81·9	84·6	0·0	3248	− 11	91	− 14	148	− 7	21·47	547	− 24	6·2	+0·3	48	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 17th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 42.

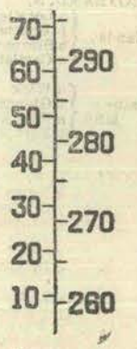
THE FORTY-SECOND WEEK OF 1918.

SUNDAY, OCTOBER 13TH, TO SATURDAY, OCTOBER 19TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was cool, cloudy and showery. The mean temperature was everywhere below normal; it was only slightly below it in Scotland, North, but the difference was as much as 2 a. over all the southern districts. The maximum temperatures as a rule ranged about 286 a. At Raunds (Northants) on the 15th the thermometer reached 290 a.; on the other hand, at some stations in Scotland and the North of England on the 16th and 17th it was no higher than 281 a. The screened minimum thermometers recorded frost (270 a. to 272 a.) in all the Scottish districts, as well as at isolated places in England and Wales, the lowest readings being—on the 13th—267 a. at Balmoral, 270 a. at Ford (Argyll) and Rhayader. Frost on the grass was registered in all districts, the lowest values were 265 a. at Balmoral and Ford and 267 a. at Dublin (Phœnix Park). The total rainfall was less than the normal in all parts of the British Isles excepting Scotland East, where there was an excess of 4mm.; it exceeded the normal also in the Channel Islands. There was a thunderstorm, with hail, in Guernsey on the 17th, and thunder also at several places in the South and East of England on the 18th. The heaviest fall of rain in one day was 41mm. at Beddgelert (Snowdonia) on the 16th, the only other heavy amount being 20mm. at Alnwick Castle on the 17th. Fog was reported on the 18th and 19th in various places. Solar halos were observed at Aberdeen on the 13th, at Birmingham and Tenbury on the 15th, and at Oxford on the 18th. Lunar halos were rather numerous; at Birmingham and Tenbury on the 13th and 19th, at Oxford on the 17th, and at Southport, Bognor, and in Guernsey also on the 19th. The wind varied a good deal in direction during the week; the force was mostly moderate, but in the western districts there were strong winds which rose to gales on the 14th at Lerwick and in the North of Ireland.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.*		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	6·5	12	3·9	—	—	3	2·2	4	8·4	7	4·1	7	4·7	5	4·0
North	15	5·1	12	3·9	—	—	13	2·2	19	5·6	21	6·3	8	3·7	20	5·0
West	10	3·1	18	4·2	—	—	13	1·1	14	5·2	16	4·8	20	6·2	12	5·2
East	15	4·1	7	4·6	—	—	2	1·1	9	4·0	4	3·6	6	5·2	13	1·9
Calm	1	—	2	—	—	—	12	—	0	—	0	—	0	—	2	—

* The direction-recording part of the Yarmouth Cup Anemograph being out of order, it is not possible to give wind components for England, E.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	Deficient	Deficient
Rainfall ...	Light	Heavy	Moderate	Moderate	Light	Light	Moderate	Moderate	Light	Light	Light	Moderate
Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Abundant	Moderate	Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 7 weeks from Sept. 1st, 1918. Warmth ...	0, 2, 5	0, 3, 4	1, 3, 3	1, 3, 3	0, 5, 2	1, 2, 4	0, 2, 5	0, 3, 4	0, 3, 4	0, 2, 5	0, 2, 5	1, 2, 4
Rainfall ...	4, 2, 1	5, 2, 0	3, 4, 0	5, 1, 1	4, 2, 1	4, 2, 1	5, 1, 1	6, 1, 0	4, 2, 1	5, 1, 1	5, 1, 1	3, 4, 0
Sunshine ...	3, 3, 1	3, 3, 1	1, 5, 1	1 , 3	1, 4, 2	1, 5, 1	1, 3, 3	2, 3, 2	1, 5, 1	3, 3, 1	2, 3, 2	1, 5, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(19953—19.) Wt. 199—789. 625. 10/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick..	54	50	16th	37	13th	47·7	41·6	44·6	− 1·5	4	0·32	8	− 12										
p Deerness	160	54	15th	39	13th	50·6	43·9	47·2	—	4	0·59	15	− 4	Deerness	2·4	0·0	24	•	•	•	•	•	•
a Stornoway	31	55	19th	30	13, 14	51·9	40·9	46·2	− 0·3	6	0·56	14	− 12	Stornoway	2·8	+ 0·1	28	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	58	19th	40	13th	52·6	45·9	49·2	—	5	0·43	11	—	Castlebay	2·7	—	27	•	•	•	•	•	•
b, Mainland. a Wick	81	54	15th	35	13th	50·9	42·7	46·7	+ 0·3	4	0·29	7	− 8	Fort Augustus..	—	—	—	•	•	•	•	•	•
p Glencarron	500	54	18, 19	28	13th	50·9	41·6	46·1	+ 0·6	6	1·24	31	− 11										
a Fort Augustus..	68	57	14th	35	17th	55·1	40·7	47·7	+ 1·3	2	0·31	8	− 12										
p Fort William	171	56	19th	27	13th	51·9	41·6	46·6	− 0·7	6	0·61	15	− 20										
1. SCOTLAND, E.																							
a Nairn	82	56	14, 15	27	13th	51·7	38·9	45·1	− 0·6	6	0·52	13	0	Nairn	2·3	—	23	•	•	•	•	•	•
p Gordon Castle	101	57	15th	32	13th	53·0	42·3	47·5	+ 0·7	4	0·65	17	0	Gordon Castle..	2·2	—	22	•	•	•	•	•	•
a Aberdeen	46	57	15th	33	13th	52·9	41·3	46·9	− 0·1	3	0·47	12	− 4	Aberdeen	3·3	+ 0·5	33	2	23	•	•	49·9	−0·4
a Balmoral	930	55	15th	22	13th	50·0	36·0	42·8	− 0·4	4	1·19	30	+ 10	Balmoral	•	•	•	2	17	•	•	•	•
p Crieff	432	54	15th	34	13th	52·0	40·6	46·1	− 0·4	5	0·71	18	− 4	Crathes	2·7	− 0·1	27	3	23	47·1	−2·0	49·7	−1·4
a Dundee	244	57	16th	30	14th	53·1	40·1	46·4	0·0	5	0·84	21	+ 6	Dundee	1·9	—	19	3	27	46·7	•	•	•
a Leith	30	56	15th	36	14th	52·9	40·9	46·7	− 1·5	5	0·68	17	+ 4	Leith	—	—	—	0	33	•	•	•	•
p Edinburgh	441	54	15th	38	13, 17	51·1	42·4	46·6	− 0·5	4	0·97	25	+ 11	Edinburgh	3·1	+ 0·1	31	0	31	•	•	•	•
a West Linton	769	51	14, 15	25	13th	49·9	37·1	43·3	− 0·5	4	1·22	31	—	West Linton	1·5	—	15	3	20	•	•	•	•
p Marchmont	498	53	15, 16	34	13th	50·9	39·0	44·8	− 1·1	5	1·68	43	+ 22	Marchmont	1·7	− 0·8	17	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	58	18th	27	13th	53·6	39·4	46·3	—	7	1·54	39	—	Ford (Argyll)	•	•	•	3	17	48·0	•	50·7	•
p Glasgow Observatory	180	54	14th	33	13th	52·0	42·3	47·0	− 0·3	6	0·34	9	− 9	Glasgow	1·5	− 0·4	15	2	22	•	•	•	•
p Rothesay	200	54	14, 15	34	13th	52·1	41·4	46·6	− 1·4	6	0·61	16	− 8	Rothesay	2·8	—	28	1	26	47·3	•	50·0	−1·4
a Kilmarnock	90	55	13, 14, 16	30	13th	53·9	39·3	46·4	− 0·3	4	0·45	11	− 8	Kilmarnock	2·1	—	20	•	•	47·5	•	50·2	•
a Colmonell	170	57	17, 18	28	13th	53·9	41·1	47·3	− 0·7	5	0·77	20	− 4	Colmonell	•	•	•	1	25	•	•	•	•
p Cally, Gatehouse	120	59	17th	28	13th	55·1	39·1	46·9	− 0·1	4	0·86	22	− 4	Dumfries	2·8	—	27	3	21	47·5	−1·7	50·4	−2·4
p Dumfries	160	55	15th	30	13th	52·9	39·6	46·1	− 1·5	6	0·68	17	− 3	Eskdalemuir	2·2	—	21	3	19	•	•	•	•
a Eskdalemuir	794	51	16th	25	13, 14	49·6	34·0	41·6	—	6	0·96	25	—										
b, I. OF MAN p Douglas	277	55	14, 15	37	13th	52·9	43·4	48·0	− 1·0	7	0·70	18	− 7	Douglas	3·1	+ 0·1	30	0	31	•	•	•	•
2. ENGLAND, N.E																							
a North.. a Alnwick Castle	210	56	15th	35	13th	52·1	40·7	46·2	− 1·0	4	1·77	45	+ 22										
a Tynemouth	71	56	15th	37	13th	51·7	41·6	46·5	− 1·4	6	1·07	27	+ 9	Cockle Park	1·4	− 1·5	14	0	31	44·6	−3·1	48·4	−2·0
p Durham	336	57	15th	36	13th	51·1	39·7	45·2	− 1·8	6	1·00	25	+ 6	Durham	1·8	− 0·8	17	3	24	•	•	•	•
p Rounton	249	56	15th	33	13th	50·9	38·9	44·7	− 2·1	5	1·05	27	+ 10	Rounton	•	•	•	5	24	48·5	•	•	•
a West Witton	605	54	13, 15, 16	33	13th	51·1	39·6	45·2	—	6	0·83	21	—	West Witton	•	•	•	1	29	47·1	•	49·5	•
p Scarborough	100	—	—	—	—	—	—	—	—	4	0·46	12	− 7	Scarborough	0·7	− 2·3	7	•	•	•	•	52·4	•
p York	56	53	15, 16	36	13th	52·0	39·9	45·8	− 2·4	4	0·41	10	− 6	York	1·0	− 1·5	10	•	•	49·7	−2·2	52·4	−1·2
b, South.. a Spurn Head	26	53	15th	41	14th	51·0	43·0	46·9	− 3·0	3	0·16	4	− 11	Spurn Head	0·9	—	9	•	•	•	•	•	•
a Lincoln	58	57	15th	36	16th	53·0	40·9	46·8	− 1·4	3	0·28	7	− 8	Lincoln	•	•	•	0	34	49·1	−1·6	52·6	−1·2
a Fulbeck	180	56	15th	34	16th	52·3	39·0	45·5	− 2·9	5	0·25	6	− 9	Rauceby	2·0	− 1·2	19	•	•	49·5	−1·8	52·9	−1·2
														Skegness	1·2	− 2·2	12	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	56	14th	37	14th	52·4	42·9	47·5	− 2·4	6	0·42	11	− 4	Cromer	0·9	− 1·4	9	•	•	•	•	•	•
a Little Massingham	280	53	14th	35	14th	51·0	40·0	45·3	− 3·2	6	0·54	14	− 3	Lit. Massingham	2·0	− 1·0	19	•	•	•	•	•	•
a Yarmouth	13	55	14, 19	39	14th	53·0	42·3	47·5	− 2·4	6	0·70	18	+ 1	Yarmouth	1·8	—	17	0	35	51·7	−1·0	54·0	−1·5
a Norwich	93	54	14, 19	35	14th	51·9	41·6	46·6	− 2·5	6	0·67	17	− 1	Norwich	1·3	—	13	0	32	49·5	•	•	•
a Geldeston	37	57	14th	31	14th	53·9	39·7	46·6	− 2·9	6	0·42	11	− 5	Geldeston	1·5	− 1·8	14	•	•	•	•	•	•
p Cambridge	41	56	19th	32	14th	54·1	38·7	46·2	− 2·7	2	0·32	8	− 6	Cambridge	2·5	− 0·7	24	1	28	50·8	−1·5	54·0	−1·3
a Clacton-on-Sea	54	57	19th	38	18th	53·1	42·7	47·8	− 2·6	5	0·44	11	0	Clacton	3·2	+ 0·3	31	0	33	50·8	−3·5	54·6	−1·4
a Rothamsted	424	52	15, 19	32	14th	51·0	38·9	44·8	− 3·4	6	0·41	10	− 8	Rothamsted	2·6	− 0·5	25	3	23	49·1	•	•	•
p Tottenham	51	56	15, 19	35	18th	53·4	42·1	47·6	—	3	0·34	9	—	Tottenham	1·2	—	13	0	31	•	•	55·0	−1·7
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	55	15th	36	13th	50·4	40·1	45·1	− 1·7	5	0·62	16	− 3	Harrogate	1·9	− 1·0	18	1	28	48·0	−1·9	50·0	−1·3
p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield	—	—	—	—	—	—	—	—	—
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East.. a Bawtry	65	55	15th	35	13th	51·9	40·9	46·2	− 1·4	4	0·22	6	− 8	Worksop	1·7	− 0·9	16	3	26	49·2	•	51·6	•
a Nottingham	82	55	15th	36	14th	52·4	41·1	46·6	− 1·5	4	0·28	7	− 7	Nottingham	1·8	− 0·9	17	1	30	48·0	−2·2	51·5	−2·3
p Birmingham, Edgbsn.	535	52	13, 15, 19	37	13th	50·7	41·6	46·0	− 2·2	4	0·32	8	− 8	Birmingham	1·5	− 0·7	14	1	26	47·3	−2·6	50·9	−1·1
a Raunds	203	62	15th	34	14th	55·4	39·6	47·3	− 1·1	4	0·34	9	− 5	Raunds	2·5	—	24	1	24	51·7	•	54·6	•
p Oxford	208	56	15th	38	18, 19	52·3	40·0	46·0	− 3·0	6	0·56	14	− 2	Oxford	2·4	− 0·8	23	5	28	•	•	•	•
c, West.. a Cheadle (N. Staffs.)	646	54	13th	36	13th	51·0	39·9	45·3	− 1·6	4	0·33	8	− 10	Cheadle	•	•	•	1	29	•	•	•	•
p Tenbury	313	56	13, 15	30	13th	53·3	35·1	43·9	− 3·8	4	0·21	5	− 10	Tenbury	•	•	•	4	26	49·1	•	•	•
a Hereford	291	56	13th	32	13th	52·9	37·3	44·9	− 3·3	3	0·22	6	− 11	Malvern	3·1	—	30	2	30	49·1	•	52·8	•
a Clifton	229	54	14, 15	36	13th	52·6	40·7	46·5	− 3·4	6	0·43	11	− 14	Clifton	3·5	—	34	0	34	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	13th	31	18, 19	50·9	35·0	42·7	− 4·9	4	0·25	6	− 13	Worthing	2·6	− 1·2	25	0	31	53·0	−1·9	55·8	−0·7
p Salisbury (Wilton)	180	58	15th	33	14, 18	54·7	36·4	45·3	− 3·5	4	0·33	8	− 13	Marlborough	2·5	− 0·4	24	6	27	49·5	•	54·0	•
a Wisley, Surrey	150	56	15th	30	18th	53·6	37·6	45·4	− 3·5	4	0·33	8	− 9	Salisbury	•	•	•	1	30	50·0	•	•	•
a Tunbridge Wells	354	56	19th	31	15th	53·6	39·0	46·1	− 3·6	3	0·35	9	− 11	Wisley	2·3	− 0·9	22	4	24	50·2	−2·1	53·5	−1·4
a Margate	51	56	14th	42	14th	53·6	46·4	49·9	− 1·6	4	0·44	11	− 5	Tunbridge Wells	2·2	− 1·3	21	3	25	51·6	−2·2	54·5	•
a Dungeness	21	56	14, 19	36	18, 19	54·4	41·4	47·7	− 3·7	4	0·47	12	− 7	Margate	2·7	− 0·6	26	0	36	52·2	−0·7	55·6	+0·3
p St. Leonards	178	57	19th	41	14, 18	54·3	43·0	48·5	− 3·0	5	0·59	15	− 5	Folkestone	3·0	—	29	•	•	•	•	53·1	•
p Southampton	94	58	15th	36	18th	54·1	40·0	46·8	− 4·4	3	0·28	7	− 14	St. Leonards	2·9	− 0·8	27	0	33	51·8	•	55·7	•
a Ventnor	59	57	13, 15	41	13th	55·4	43·9	49·5	− 3·5	5	0·46	12	− 9	Southampton	3·7	+ 0·3	36	3	27	•	•	•	•
														Ventnor	4·5	+ 0·9	42	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	56	15th	33	14th	52·8	39·2	45·8	− 3·8	4	0·35	9	− 5	Richmond	2·1	− 0·8	20	3	26	49·6	−2·6	53·4	−1·3
a Westminster	27	56	13, 15, 19	35	14, 18	54·4	41·0	47·5	− 3·4	4	0·37	9	− 4	Westminster	1·6	− 0·6	15	0	31	•	•	•	•
ag Greenwich	149	57	14th	31	18th	54·0	39·9	46·7	− 2·6	3	0·45	11	− 3	Greenwich	1·8	− 1·2	17	4	23	•	•	•	•
a Hampstead	450	55	13th	37	18th	52·0	41·1	46·4	—	4	0·41	10	—	Hampstead	2·4	—	23	2	25	•	•	•	•
ag Camden Square	110	58	19th	33	18th	54·7	40·0	47·1	− 3·3	4	0·39	10	− 4	Camden Square	1·9	− 0·4	18	1	30	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	53	15th	33	13th	50·3	40·0	45·0	− 2·3	5	0·71	18	− 6	Aspatria	2·0	− 1·1	19	2	29	47·4	−1·7	50·2	−1·6
p Newton Rigg	559	55	15th	29	13th	50·6	38·0	44·1	− 2·3	6	0·72	18	− 4	Newton Rigg	2·2	− 0·4	21	3	26	48·3	−1·9	50·5	−1·2
p Stonyhurst	375	54	19th	34	13th	51·1	41·4	46·1	− 1·4	5	0·81	21	− 5	Stonyhurst	2·4	− 0·2	23	2	26	•	•	•	•
p Blackpool	66	57	15th	35	13th	53·4	42·9	48·0	− 0·9	7	0·66	17	− 4	Blackpool	4·5	+ 1·5	43	4	20	50·7	•	52·9	•
a Southport	37	56	15th	35	13th	52·9	43·0	47·8	− 1·1	5	0·71	18	− 2	Southport	4·3	+ 1·4	42	3	23	48·5	−1·5	52·8	−0·7
														Hoylake	3·0	+ 0·2	29	•	•	•	•	•	•
a Liverpool (Bidston)	188	53	14, 15	43	14, 19	51·7	44·3	47·9	− 1·3	6	0·63	16	− 3	Liverpool	3·2	—	31	0	35	•	•	•	•
a Hawarden Bridge	22	57	15th	40	13th	53·3	44·4	48·7	− 1·0	5	0·50	13	− 4	Manchester (City)	1·1	− 1·0	11	0	31	48·9	−2·2	53·4	−1·6
p Manchester (Whit. Pk.)	126	56	15	36	13	52·6	43·3	47·3	−2·7	6	0·32	13	−6	Whitworth Park	1·8	−0·5	12	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	55	14, 15	39	13th	53·1	46·1	49·5	− 1·8	7	0·74	19	− 1	Llandudno	2·6	− 0·6	25	•	•	•	•	•	•
a Holyhead	15	57	19th	43	14th	53·9	45·4	49·5	− 1·3	5	0·52	13	− 10	Holyhead	3·7	—	36	0	33	•	•	•	•
a Beddgelert	309	54	15, 19	32	13th	51·6	39·9	45·6	—	6	2·97	75	—	Aberdovey	—	—	—	—	—	—	—	—	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																						
a Aberystwyth	59	55	14th	34	13th	52·9	44·4	48·5	—	5	0·54	14	—									
a Rhayader	757	53	14, 15	27	13th	50·3	37·6	43·8	—	7	0·30	8	—									
a St. Ann's Head	149	54	13, 14	42	13th	52·4	44·6	48·4	- 3·2	6	0·76	19	- 4									
p Cardiff	202	56	15th	37	13th	53·0	40·7	46·7	- 2·8	5	0·36	9	- 17									
b. ENGLAND, S.W.																						
a Bath	66	57	15th	34	13, 14, 18	54·1	37·0	45·3	- 4·3	7	0·31	8	- 10									
a Shaftesbury	722	55	15th	36	13th	51·7	39·1	45·2	- 3·7	4	0·22	6	- 16									
a Arlington	613	54	13th	35	13th	51·6	41·1	46·2	- 2·9	6	1·00	25	- 11									
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—	—									
a Newquay	190	55	13, 19	38	18th	53·4	44·9	49·0	- 3·3	6	0·56	14	- 8	Newquay ..	4·4	+ 0·7	42	0	37	53·1	•	55·3	•
a Cullompton	202	57	13, 14	30	13th	54·6	36·7	45·4	- 4·1	5	0·55	14	- 9	Cullompton ..	3·0	0·0	28	4	24	50·6	•	•	•
a Portland Bill	19	56	15th	44	13, 14, 19	54·9	45·9	50·3	- 2·3	3	0·24	6	- 15	Weymouth ..	4·8	—	45	•	•	•	•	•	•
p Plymouth	116	57	13, 14	38	13, 17, 18	54·6	42·0	48·1	- 3·4	5	1·04	26	+ 4	Plymouth ..	5·0	+ 1·4	47	•	•	49·8	-4·2	54·7	•
a Falmouth	167	57	13th	39	18th	54·9	42·3	48·4	- 3·4	5	0·68	17	- 11	Falmouth ..	4·8	+ 1·0	45	0	32	53·6	•	56·5	•
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	53	18th	37	13, 14	51·1	42·9	46·9	- 2·8	7	0·55	14	- 2	Malin Head ..	2·3	—	22	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	53	19th	40	13th	51·3	43·7	47·4	- 3·2	6	0·76	19	- 7	Markree Castle	2·1	- 0·9	20	3	25	49·8	-2·6	52·6	-1·5
{ *p* Markree Castle ..	122	55	14, 18, 19	29	13th	53·6	38·4	45·8	- 2·2	7	0·44	11	- 11									
b, East .. { *p* Armagh	196	55	14, 15	31	13th	52·9	39·4	46·0	- 2·2	7	0·37	10	- 4	Armagh	3·0	0·0	29	2	23	49·0	-2·7	51·5	-2·1
{ *a* Donaghadee	101	55	14th	36	13, 14	52·7	41·9	47·1	- 2·5	6	0·63	16	+ 1									
10. IRELAND, S.																						
p Dublin, City	47	55	14th	35	13th	53·0	41·4	47·0	- 3·0	5	0·23	6	- 10	Trinity Coll. ..	•	•	•	2	28	50·0	-2·3	52·5	-1·5
a Birr Castle	175	54	14th	31	13th	52·4	36·7	44·3	- 3·5	3	0·20	5	- 12	Phœnix Park ..	2·8	- 0·5	37	4	21	•	•	•	•
a Kilkenny	212	56	14th	29	13th	53·1	37·7	45·2	- 3·4	4	0·12	3	- 15	Dublin City ..	•	•	•	0	31	•	•	•	•
a Waterford	120	56	14, 16	31	13th	54·0	40·6	47·1	- 3·1	3	0·31	8	- 15	Birr Castle ..	2·5	- 0·6	24	3	25	•	•	•	•
p Seskin, Carrick-on-Suir	541	55	14th	34	13th	51·9	39·9	45·7	—	3	0·52	13	—	Seskin	2·9	—	28	1	24	•	•	•	•
a Cahir	199	55	14th	29	13th	53·4	40·7	46·9	- 1·6	4	0·19	5	—									
a Foynes	50	55	13, 14	36	13th	53·1	43·3	48·1	- 1·9	5	0·39	10	- 12									
a Cahirciveen (Val. Obs.)	30	55	13th	38	13th	53·3	45·9	49·5	- 2·1	5	0·87	22	- 11	Cahirciveen ..	1·9	- 1·3	18	0	32	•	•	•	•
a Killarney	174	58	17th	37	13th	54·4	44·0	49·1	- 1·2	7	0·49	12	- 19	Ballinacurra ..	3·0	- 0·1	29	•	•	•	•	•	•
a Roche's Point	32	55	14th	35	13th	52·7	42·1	47·2	- 4·2	4	0·44	11	- 13									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	59	15th	46	13th	55·1	47·9	51·5	- 2·2	6	0·77	20	0	Scilly	4·9	+ 1·0	46	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	58	19th	39	14th	55·7	43·4	49·4	- 4·4	4	1·42	36	+ 11	St. Heliers ..	4·2	0·0	40	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	60	18, 19	43	14th	56·7	46·6	51·5	- 2·4	6	1·49	38	+ 12	Guernsey† ..	4·6	+ 0·3	43	0	37	53·7	-2·3	56·8	-1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 19th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	13, 14, 17	19	84	59	6	0	349	13	17	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	7	114	0	47	337	6	17	16	15	17	16	40
Aberdeen	153	105	52	—	—	—	—	66	87	15	0	304	9	16	11	17	17	18	30
Edinburgh	485	39	31	—	—	—	—	97	55	16	0	45	11	18	19	19	18	17	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	17, 18	3	68	70	27	0	20	12	18	4	21	18	3	50
Paisley	188	81	15	—	—	—	—	34	104	22	8	67	8	18	11	18	18	10	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	13	100	55	0	90	7	18	7	11	17	21	55
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted for repair.														
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	16	128	24	0	—	7	19	23	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	47	80	11	30	—	10	13	3	14	13	5	10
Shoeburyness	103	90	‡	—	—	—	—	23	133	12	0	191	8	14	12	12	16	13	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	6	79	83	0	158	8	14	10	14	14	10	55
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	4	120	16	28	—	7	14	12	11	14	12	35
Brighton	261	53	6	—	—	—	—	23	136	9	0	—	7	14	19	11	14	19	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	49	78	3	38	150	9	14	12	11	14	12	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	54	114	0	180	4	14	12	8	14	12	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	36	132	0	67	5	18	11	9	14	9	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	16 to 18	5	57	95	11	0	328	12	18	1	—	—	—	—
Southport	80	62	48	—	—	16, 18	8	87	67	6	0	326	13	16	23	15	16	23	5
Holyhead	60	40	‡	—	—	13, 14, 16 to 18	15	121	30	2	0	180	12	13	24	18	14	1	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	13, 14	10	56	74	28	0	203	16	14	4	20	14	3	20
Plymouth	185	88	2	—	—	14	1	13	69	85	0	—	11	14	3	14	14	2	35
Lyme Regis	556	61	‡	—	—	—	—	24	101	43	0	—	9	16	19	13	16	10	20
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	15 to 17	4	125	36	3	0	281	13	15	17	—	—	—	—
Quilty	100	40	‡	—	—	15, 17, 18	16	92	43	17	0	—	12	15	10	18	17	16	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	13, 17	8	97	45	16	2	175	13	13	14	18	13	11	25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLAND CHANNEL																			
Scilly	150	32	‡	—	—	14 to 17	21	88	45	6	8	337	13	15	20	17	15	5	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1918—October 13th to October 19th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	27	83·8	78·3	80·9	− 0·1	32	− 7	1	− 6	5	0	0·56	14	− 11	2·6	+0·2	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	57	22	83·9	77·2	80·4	− 0·6	34	− 7	7	− 1	5	+ 1	0·89	23	+ 4	2·5	−0·1	25	1012
2. ENGLAND, N.E.	57	33	84·0	77·7	80·8	− 1·3	34	− 14	4	+ 1	4	0	0·72	18	0	1·4	−1·5	13	1011
3. ENGLAND, EAST ...	57	31	84·4	78·0	81·2	− 1·5	37	− 20	3	− 1	5	+ 1	0·47	12	− 3	2·0	−1·2	19	1011
4. MIDLAND COUNTIES ...	62	30	84·3	77·2	80·7	− 1·2	37	− 13	7	+ 1	4	0	0·35	9	− 8	2·1	−0·8	20	1013
5. ENGLAND, S.E.	58	30	85·1	77·6	81·2	− 2·2	41	− 23	5	+ 2	4	0	0·39	10	− 9	2·9	−0·5	27	1012
Western.																			
6. SCOTLAND, WEST ...	59	27	84·8	77·8	81·2	− 0·6	39	− 9	4	− 1	6	+ 2	0·74	19	− 6	2·3	−0·2	22	1013
7. ENGLAND, N.W.	57	29	84·2	79·0	81·5	− 1·0	37	− 15	0	− 2	6	+ 2	0·66	17	− 5	2·8	+0·1	27	1012
8. ENGLAND, S.W.	57	27	84·8	77·8	81·2	− 2·1	39	− 23	4	+ 2	5	+ 1	0·54	14	− 11	4·1	+0·8	39	1013
9. IRELAND, NORTH ...	55	29	84·3	77·7	80·9	− 1·5	36	− 16	4	+ 1	6	+ 2	0·49	12	− 8	2·6	−0·5	25	1013
10. IRELAND, SOUTH ...	58	29	84·8	78·2	81·4	− 1·6	39	− 21	2	− 1	4	0	0·36	9	− 14	2·6	−0·7	25	1015
11. ENGLISH CHANNEL ...	60	39	86·2	80·8	83·4	− 1·8	62	− 20	0	0	5	0	1·23	31	+ 8	4·6	+0·5	43	1014

THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, September 1st to October 19th, 1918.

0. SCOTLAND, NORTH ...	64	25	84·5	78·3	81·2	− 1·7	258	− 150	15	− 1	39	+ 6	11·28	286	+114	3·3	+0·2	28	1002
Eastern.																			
1. SCOTLAND, EAST ...	68	22	85·4	77·8	81·4	− 1·7	295	−139	26	+ 6	37	+11	7·21	182	+ 75	3·8	+0·2	32	1003
2. ENGLAND, N.E.	72	31	87·1	80·2	83·5	− 0·8	441	− 76	4	− 2	37	+13	6·19	158	+ 68	3·9	−0·1	33	1006
3. ENGLAND, EAST ...	74	30	88·1	80·7	84·3	− 0·8	518	− 72	8	0	35	+12	6·30	161	+ 73	4·2	−0·3	35	1009
4. MIDLAND COUNTIES ...	70	30	87·4	80·2	83·7	− 0·7	467	− 70	10	− 6	39	+16	7·77	196	+103	3·8	−0·1	32	1009
5. ENGLAND, S.E.	72	29	88·6	81·4	84·8	− 0·9	570	− 67	9	+ 2	34	+11	7·22	184	+ 80	4·6	0·0	39	1011
Western.																			
6. SCOTLAND, WEST ...	69	27	86·1	79·4	82·6	− 1·2	363	−119	4	− 6	41	+15	12·22	312	+150	3·5	−0·1	30	1005
7. ENGLAND, N.W.	74	29	86·7	81·1	83·7	− 0·9	455	− 86	0	− 4	43	+17	11·32	288	+160	3·6	−0·2	30	1007
8. ENGLAND, S.W.	72	27	87·5	81·6	84·4	− 0·9	522	− 81	4	0	42	+16	10·24	262	+122	4·2	−0·1	35	1010
9. IRELAND, NORTH ...	68	29	86·0	79·7	82·7	− 1·5	375	−131	4	− 1	44	+14	9·48	249	+110	3·5	0·0	29	1005
10. IRELAND, SOUTH ...	72	29	87·1	80·6	83·7	− 1·2	458	−111	2	− 3	41	+14	10·33	263	+132	3·9	−0·1	33	1009
11. ENGLISH CHANNEL ...	74	39	88·9	83·9	86·3	− 0·8	686	− 65	0	0	39	+12	7·65	194	+ 71	5·1	−0·2	43	1013

THE YEAR 1918.—Aggregates, &c., for the Period of 42 Weeks, December 30th, 1917, to October 19th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·2	78·1	81·0	− 0·2	1818	−132	529	− 26	195	+ 1	43·44	1100	+136	3·4	−0·1	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·1	77·6	81·2	− 0·2	2027	−145	643	+ 6	170	+ 6	25·57	648	+ 40	4·0	−0·1	30	1012
2. ENGLAND, N.E.	84	9	86·3	79·2	82·6	+ 0·3	2565	+ 71	398	− 80	151	+ 3	20·33	516	+ 24	4·4	−0·1	34	1014
3. ENGLAND, EAST ...	92	14	87·2	79·2	83·0	0·0	2807	− 57	419	− 83	142	− 1	21·61	551	+ 84	4·9	0·0	38	1015
4. MIDLAND COUNTIES ...	89	12	87·4	79·0	83·0	+ 0·3	2812	+ 39	412	−126	148	+ 6	23·71	602	+ 80	4·3	−0·1	33	1015
5. ENGLAND, S.E.	90	15	87·6	79·8	83·5	− 0·1	2985	− 63	362	− 24	139	0	24·10	612	+ 99	5·1	0·0	40	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·9	78·9	82·2	0·0	2359	− 26	378	− 48	181	+10	38·58	982	+ 90	4·2	−0·1	32	1013
7. ENGLAND, N.W.	84	12	86·4	79·9	83·0	+ 0·3	2652	+ 49	280	−106	163	+ 7	31·02	790	+112	4·5	+0·1	34	1014
8. ENGLAND, S.W.	82	16	86·9	80·1	83·5	+ 0·1	2842	− 31	260	− 45	156	+ 1	31·22	797	+ 71	5·1	+0·2	39	1016
9. IRELAND, NORTH ...	80	18	86·1	79·5	82·6	0·0	2473	− 5	281	− 64	189	0	29·99	759	+ 18	4·0	+0·1	30	1013
10. IRELAND, SOUTH ...	84	19	87·2	80·2	83·5	+ 0·1	2872	+ 23	219	− 46	179	+12	34·12	866	+ 98	4·5	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·5	81·9	84·6	− 0·1	3310	− 31	91	− 14	153	− 7	22·70	578	− 16	6·2	+0·4	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 24th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 43.

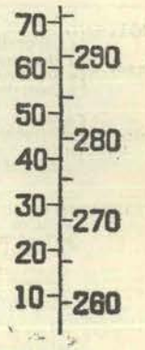
THE FORTY-THIRD WEEK OF 1918.

SUNDAY, OCTOBER 20TH, TO SATURDAY, OCTOBER 26TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions and fair but cloudy weather, with light breezes, prevailed generally until Thursday. A depression from the Iceland region moved south-eastwards across our extreme northern districts to Denmark during Thursday and Friday, and a material increase of wind occurred, a gale from north-west being reported from Shetland. The week was very uneventful; temperature differed but slightly from the normal, rainfall was light, and sunshine was scanty or moderate. In some districts the daily maxima showed very little range—at Balmoral and West Linton it was not more than 2 a. At neither of these stations did the thermometer exceed 283 a. during the week. Over the eastern half of England on the 22nd, and locally at Ford (Argyll) on the 20th, the maximum thermometer just touched 289 a. Screen minima of 273 a. and below were recorded in most districts, the lowest value being 269 a. at Balmoral. Frost on the grass was general on the last three days of the week except in the south, 266 a. being registered at Ford, Rhayader and Dublin (Phœnix Park), and 267 a. at Balmoral. There was a heavy local fall of rain on the south-east coast of England on the 20th (27 mm. at St. Leonards) and 22 mm. fell at Poltalloch (Argyllshire) on the 24th, but apart from these there were no heavy falls; at several stations there was only about a millimetre, and at Hawarden Bridge (Chester) there was none. In the western parts of the Kingdom the sunshine recorded on the 23rd was large, some stations having as much as 7 or 8 hours. Morning fog prevailed between the 20th and 24th in all parts of the United Kingdom. Solar halos were observed at Oxford on the 22nd, at Dublin on the 24th and at Aberdeen on the 26th; lunor halos at Oxford on the 22nd and at Yarmouth and Birmingham on the 24th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	3·0	12	2·0	4	1·6	1	0·5	3	3·4	3	1·3	7	3·2	2	1·8
North	11	3·9	9	2·7	16	4·9	13	3·4	20	3·2	25	3·2	13	2·6	9	1·7
West	14	5·0	15	4·5	10	1·9	2	1·4	6	4·6	8	3·5	13	4·5	3	4·3
East	8	2·6	8	2·9	6	2·2	12	1·6	16	3·0	19	2·9	7	2·6	9	2·5
Calm	3	—	4	—	7	—	14	—	4	—	0	—	5	—	16	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Light	Light	Light	Light	Light	Very light	Light	Very light	Very light	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 8 weeks from Sept. 1st, 1918.	Warmth ...	0, 3, 5	0, 4, 4	1, 4, 3	1, 4, 3	0, 6, 2	1, 3, 4	0, 3, 5	0, 4, 4	0, 4, 4	0, 3, 5	0, 3, 5	1, 3, 4
	Rainfall ...	4, 2, 2	5, 2, 1	3, 4, 1	5, 1, 2	4, 2, 2	4, 2, 2	5, 1, 2	6, 1, 1	4, 2, 2	5, 1, 2	5, 1, 2	3, 5, 0
	Sunshine ...	3, 3, 2	3, 4, 1	1, 6, 1	1 3, 4	1, 4, 3	1, 5, 2	1, 4, 3	2, 4, 2	1, 5, 2	3 3, 2	2, 3, 3	1, 5, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(20082—19.) Wt. 199—789. 625. 11/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.	in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. a Lerwick ..	54	47	22, 24, 25	37	26th	45·9	39·4	42·6	- 1·7	6	0·92	23	+ 1									
p Deerness ..	160	48	21, 23, 25	38	26th	47·4	42·1	44·7	—	5	0·79	20	- 1	Deerness ..								
a Stornoway ..	51	51	21st	37	21st	49·3	41·7	45·4	+ 0·7	6	0·45	11	- 18	Stornoway ..								
a Castlebay, Barra Isd.	37	57	20th	37	22nd	51·3	45·0	48·1	—	5	0·55	14	—	Castlebay ..								
b, Mainland. a Wick ..	81	49	21, 23	34	26th	48·0	41·3	44·6	+ 0·2	6	0·24	6	- 10	Fort Augustus ..	—	—	—					
p Glencarron ..	500	51	20	32	26	47·3	38·6	43·0	- 0·6	4	1·05	27	- 19									
a Fort Augustus ..	68	56	21st	29	26th	49·0	38·9	43·7	- 0·6	1	0·20	5	- 17									
p Fort William ..	171	56	20th	33	26th	49·9	39·3	44·4	- 0·8	4	0·43	11	- 28									
1. SCOTLAND, E.																						
a Nairn ..	82	50	23rd	29	26th	47·9	39·4	43·5	- 0·1	6	0·36	9	- 4	Nairn ..	0·6	—	6					
p Gordon Castle ..	101	51	25th	36	26th	49·4	41·1	45·1	+ 0·4	6	0·37	9	- 8	Gordon Castle ..	1·4	—	15					
a Aberdeen ..	46	51	23rd	36	24th	49·0	40·7	44·7	- 0·1	4	0·09	2	- 14	Aberdeen ..	2·4	- 0·4	25	3	27			
a Balmoral ..	930	47	23rd	25	26th	45·2	34·4	39·7	- 1·3	4	0·20	5	- 15	Balmoral ..				3	22			
p Crieff ..	432	55	20th	34	23rd	50·0	38·0	43·8	- 0·5	2	0·12	3	- 19	Crathes ..	2·6	- 0·2	27	3	26	46·6	- 0·8	48·8	-1·1
a Dundee ..	244	55	20th	32	24th	50·7	38·3	44·3	+ 0·1	2	0·13	3	- 11	Dundee ..	2·1	—	22	4	24	46·9			
a Leith ..	30	53	23rd	38	23rd	50·7	42·1	46·3	+ 0·3	2	0·05	1	- 12	Leith ..	—	—	—	0	32			
p Edinburgh ..	441	52	23rd	38	23rd	48·9	41·3	45·0	+ 0·1	1	0·03	1	- 13	Edinburgh ..	2·6	- 0·4	27	0	32			
a West Linton ..	769	50	23rd	30	26th	48·3	36·4	42·2	+ 0·8	3	0·13	3	—	West Linton ..	2·2	—	23	4	23			
p Marchmont ..	498	54	23rd	32	23rd	49·7	38·7	44·0	+ 0·3	2	0·13	3	- 17	Marchmont ..	2·0	- 0·5	21					
6. a, SCOTLAND, W.																						
a Ford (Argyll) ..	149	60	20th	29	28th	51·1	37·4	44·1	—	4	0·88	22	—	Ford (Argyll) ..				5	19	47·8		50·2	
p Glasgow Observatory	180	53	20th	37	26th	50·0	41·7	45·7	+ 0·8	3	0·04	1	- 18	Glasgow ..	1·6	- 0·3	16	3	25			
p Rothesay ..	200	56	20th	38	23rd	49·9	41·9	45·8	+ 0·1	5	0·38	10	- 15	Rothesay ..	2·2	—	23	1	30	47·3		50·0	-0·5
a Kilmarnock ..	90	54	23rd	29	26th	51·1	38·6	44·7	+ 0·5	4	0·27	7	- 12	Kilmarnock ..	2·2	—	23			47·0		49·7	
a Colmonell ..	170	56	23rd	30	26th	51·7	37·4	44·3	- 1·3	3	0·24	6	- 19	Colmonell ..				2	27				
p Cally, Gatehouse ..	120	58	23rd	30	23, 26	53·3	37·3	45·1	+ 0·5	2	0·23	6	- 20	Dumfries ..	2·6	—	27	4	23	47·1	- 0·4	49·9	-1·7
p Dumfries ..	160	53	24rd	33	23, 26	50·1	38·6	44·2	- 0·9	4	0·06	2	- 18	Eskdalemuir ..	2·8	—	29	3	23				
a Eskdalemuir ..	794	52	23rd	29	23rd	47·9	34·7	41·1	—	5	0·30	8	—									
b, I. OF MAN p Douglas ..	277	55	20th	36	23rd	52·0	40·9	46·3	- 0·4	3	0·14	4	- 21	Douglas ..	2·9	- 0·2	29	1	30				
2. ENGLAND, N.E.																						
a North .. a Alnwick Castle	210	54	23rd	36	23, 24	50·9	41·0	45·8	+ 0·5	3	0·47	12	- 11									
a Tynemouth ..	71	53	23rd	39	24th	51·1	43·0	46·9	+ 0·9	3	0·20	5	- 12	Cockle Park ..	2·7	0·0	28	0	32	45·1	- 0·6	48·0	-1·2
p Durham ..	336	54	23rd	33	23rd	51·0	38·9	44·8	- 0·2	2	0·13	3	- 15	Durham ..	2·6	+ 0·2	27	4	25				
p Rounton ..	249	53	26th	35	24th	50·4	40·1	45·1	+ 0·2	3	0·23	6	- 11	Rounton ..				4	26	48·1			
a West Witton ..	605	54	23, 25	34	24, 26	50·6	38·9	44·6	—	2	0·44	11	—	West Witton ..				1	30	46·5		48·9	
p Scarborough ..	100	57	25th	44	29, 23	54·0	46·6	50·3	+ 3·1	1	0·08	2	- 17	Scarborough† ..	2·2	- 0·4	22					52·0	
p York ..	56	56	25th	34	24th	52·0	42·0	46·9	+ 0·7	4	0·21	5	- 11	York ..	2·6	+ 0·4	26			49·4	- 0·7	51·6	-1·1
b, South .. a Spurn Head ..	26	53	23rd	41	24th	51·4	45·0	48·1	+ 0·3	4	0·18	5	- 9	Spurn Head ..	1·5	—	15						
a Lincoln ..	58	53	20th	32	24th	51·3	40·7	45·8	- 0·3	4	0·19	5	- 10	Lincoln ..				0	32	48·7	0·0	51·7	-1·3
a Fulbeck ..	180	53	20, 26	33	26th	51·4	40·0	45·5	- 0·7	7	0·25	6	- 9	Rauceby ..	1·7	- 1·1	17			48·9	- 0·5	52·0	-1·2
														Skegness ..	1·2	- 1·9	12						
3. ENGLAND, E.																						
p Cromer ..	196	57	22nd	41	25th	52·4	45·3	48·8	+ 1·1	4	0·11	3	- 13	Cromer ..	1·0	- 1·9	10						
a Little Massingham ..	280	54	22nd	36	24, 26	50·1	40·6	45·2	- 1·0	4	0·27	7	- 12	Lit. Massingham	0·6	- 2·0	6						
a Yarmouth ..	13	60	23rd	38	23, 24	53·7	43·3	48·4	+ 0·8	4	0·63	13	- 5	Yarmouth ..	1·7	—	17	0	36	51·1	+0·7	53·9	-1·6
a Norwich ..	93	57	22nd	35	24th	52·3	42·0	47·0	+ 0·3	3	0·34	9	- 10	Norwich ..	0·9	—	9	0	31	48·9			
a Geldeston ..	37	58	23rd	35	23, 26	53·1	40·3	46·5	- 0·8	4	0·72	18	+ 1	Geldeston ..	1·7	- 1·2	17						
p Cambridge ..	41	60	22nd	31	26th	53·0	40·7	46·7	+ 0·1	3	0·20	5	- 9	Cambridge ..	1·6	- 1·3	16	1	30	50·6	+0·2	53·2	-1·1
a Clacton-on-Sea ..	54	—	—	—	—	—	—	—	—	—	—	—	—	Clacton ..	—	—	—	—	—	—	—	—	—
a Rothamsted ..	424	56	22nd	34	26th	51·9	41·3	46·4	+ 0·4	4	0·21	5	- 14	Rothamsted ..	2·7	- 0·1	27	2	29	49·1			
p Tottenham ..	51	59	22, 23	35	26th	54·4	43·1	48·6	—	3	0·24	6	—	Tottenham ..	2·2	—	22	0	32			54·0	-1·7
4. MIDLAND COUNTIES.																						
a North .. a Harrogate ..	479	54	25, 26	36	24th	50·7	41·7	46·1	+ 1·3	3	0·24	6	- 13	Harrogate ..	3·2	+ 0·7	32	1	28	47·7	- 0·6	49·2	-1·0
p Sheffield ..	429	54	25th	37	24, 26	51·7	41·9	46·7	—	5	0·41	10	—	Sheffield ..	1·8	- 0·5	18	2	27	48·3	- 0·4	51·1	-0·7
p Buxton ..	987	52	23rd	29	24th	48·7	37·6	43·0	—	6	0·39	10	- 19	Buxton ..	1·7	—	17	2	28	45·4	- 1·7	50·0	-1·1
b, East .. a Bawtry ..	65	54	25th	28	24th	52·0	39·3	45·5	- 0·2	4	0·25	6	- 8	Worksop ..	1·9	- 0·3	19	2	24	48·9		50·9	
a Nottingham ..	82	53	26th	29	26th	50·7	39·7	45·0	- 1·1	5	0·36	9	- 5	Nottingham ..	0·7	- 1·5	7	1	27	47·0	- 1·0	50·7	-1·8
p Birmingham, Edgbsn.	535	52	20th	34	26th	50·1	41·1	45·5	- 0·7	2	0·17	4	- 12	Birmingham ..	0·4	- 1·5	4	3	22	47·2	- 1·0	50·4	-1·0
a Raunds ..	203	60	22nd	27	26th	53·0	37·0	44·8	- 1·3	5	0·41	11	- 4	Raunds ..	1·7	—	17	4	21	50·6		53·9	
p Oxford ..	208	58	22nd	38	23rd	52·1	42·3	47·1	+ 0·1	5	0·25	6	- 10	Oxford ..	1·5	- 1·2	15	0	32				
c, West .. a Cheadle (N. Staffs.) ..	646	53	20, 23, 24	35	24, 26	51·3	40·7	45·8	+ 0·9	2	0·07	2	- 17	Cheadle ..				2	27				
p Tenbury ..	313	56	23rd	37	24th	51·9	40·6	46·1	+ 0·3	4	0·05	1	- 14	Tenbury ..				0	31	48·5			
a Hereford ..	291	54	23rd	38	20, 24	51·1	42·3	46·6	+ 0·4	1	0·04	1	- 16	Malvern ..	0·2	—	2	0	34	48·6		51·8	
a Clifton ..	229	55	22nd	40	26th	52·6	43·0	47·7	- 0·2	5	0·17	4	- 22	Clifton ..	1·0	—	10	0	38				
5. ENGLAND, S.E.																						
a Marlborough ..	424	55	22nd	35	20th	52·1	41·0	46·4	+ 0·9	5	0·32	8	- 14	Worthing ..	3·0	- 0·5	30	0	35	51·3	- 0·9	54·7	-1·1
p Salisbury (Wilton) ..	180	60	23rd	35	25th	55·6	40·9	48·0	+ 1·3	5	0·37	9	- 16	Marlborough ..	1·3	- 1·3	13	2	30	49·1		53·0	
a Wisley, Surrey ..	150	60	22nd	33	25th	53·3	42·3	47·6	+ 0·8	4	0·19	5	- 14	Salisbury ..				0	32	50·1			
a Tunbridge Wells ..	354	58	22nd	36	23rd	54·6	43·9	49·1	+ 1·6	3	0·41	10	- 14	Wisley ..	1·8	- 1·1	18	2	27	49·5	- 0·8	52·3	-1·5
a Margate ..	51	60	22nd	43	25th	55·1	49·0	52·0	+ 2·7	3	0·33	8	- 10	Tunbridge Wells	2·1	- 1·1	21	0	31	51·4	+0·1	53·4	
														Margate ..	2·9	- 1·0	29	0	37	52·7	+1·8	54·7	+0·4
a Dungeness ..	21	58	22, 23	40	25, 26	55·4	47·3	51·2	+ 1·9	3	0·45	11	- 10	Folkestone ..	2·5	—	25						
p St. Leonards ..	178	59	22, 23	42	25th	55·5	46·7	51·0	+ 1·6	4	1·29	33	+ 10	St. Leonards ..	2·8	- 0·6	28	0	36	51·5		54·5	
p Southampton ..	64	59	22, 23	37	25th	55·4	44·0	49·5	+ 0·4	4	0·11	3	- 21	Southampton ..	1·8	- 1·3	18	1	27				
a Ventnor ..	59	59	22, 23	42	25th	56·3	47·3	51·7	+ 0·7	4	0·35	9	- 15	Ventnor ..	2·4	- 1·0	24						
LONDON. p Richmond (Kew Obs.)	18	59	22nd	38	25th	54·1	43·2	48·5	+ 1·0	4	0·20	5	- 11	Richmond ..	2·1	- 0·5	21	1	30	49·3	- 1·0	52·3	-1·5
a Westminster ..	27	61	22nd	39	25th	55·5	45·6	50·4	+ 1·6	4	0·22	6	- 9	Westminster ..	1·3	- 0·6	13	0	36				
ag Greenwich ..	149	61	22nd	37	25th	55·0	43·7	49·2	+ 1·6	4	0·25	6	- 8	Greenwich ..	2·7	+ 0·1	27	2	27				
a Hampstead ..	450	57	22nd	38	25th	52·1	43·4	47·6	—	4	0·26	7	—	Hampstead ..	3·2	—	32	2	29				
ag Camden Square ..	110	60	22, 23	38	25th	55·6	44·1	49·7	+ 1·5	4	0·21	5	- 11	Camden Square	2·1	+ 0·1	21	0	35				
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	51	23rd	35	26th	49·3	39·6	44·3	- 0·7	3	0·08	1	- 23	Aspatria ..	3·2	+ 0·2	33	0	31	46·7	- 0·9	49·7	-1·4
p Newton Rigg ..	559	51	20, 25	29	26th	49·7	36·3	42·8	- 1·1	3	0·05	1	- 20	Newton Rigg ..	3·2	+ 0·7	33	5	20	47·6	- 0·9	49·8	-0·9
p Stonyhurst ..	375	53	20, 23	33	26th	51·7	39·7	45·5	+ 0·3	2	0·39	10	- 17	Stonyhurst ..	2·3	- 0·1	23	2	28				
p Blackpool ..	66	57	20th	35	24, 26	52·7	40·1	46·2	- 0·4	2	0·13	3	- 19	Blackpool ..	3·0	+ 0·2	30	5	23	49·3		52·2	
a Southport ..	37	56	20th	33	24th	52·1	39·4	45·6	- 1·0	2	0·04	1	- 19	Southport ..	2·6	- 0·2	26	4	22	46·8	- 0·9	51·6	-0·4
														Hoylake ..	2·1	- 0·7	21						
a Liverpool (Bidston) ..	188	55	20th	38	24th	51·0	42·4	46·6	- 0·4	1	0·04	1	- 17	Liverpool ..	1·8	—	18	0	32				
a Hawarden Bridge ..	22	56	25th	35	24th	53·1	43·0	47·9	+ 0·5	0	0·00	0	- 16	Manchester (City)	0·9	- 0·8	9	1	30	48·4	- 0·8	52·6	-1·5
p Manchester (Whit. Pk.)	125	—	—	—	—	—	—	—	—	—	—	—	—	Whitworth Park	—	—	—						
		54	2023	31	24	51·7	40·7	46·0	-1·0	4	0·08	2	-17		1·8	-0·4	13						
b, NORTH WALES.																						
p Llandudno ..	16	56	20th	37	24th	52·7	41·9	47·1	- 1·4	3	0·15	4	- 16	Llandudno ..	1·2	- 1·9	12						
a Holyhead ..	15	58	20th	42	26th	53·1	45·4	49·1	+ 0·4	4	0·16	4	- 20	Holyhead ..	1·7	—	17	0	32				
a Beddgelert ..	309	55	20th	36	24, 26	52·1	40·4	46·1	—	4	0·36	9	—	Aberdovey ..	—	—	—						
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	55	23rd	35	24th	52·9	42·7	47·7	—	3	0·10	3	—	Aberystwyth ..	1·3	- 1·8	13	•	•	•	•	•	•
a Rhayader	757	54	26th	28	24th	50·4	39·4	44·7	—	7	0·13	3	—	Rhayader ..	0·6	—	6	2	19	•	•	•	•
a St. Ann's Head	149	56	20, 23	42	20th	53·4	44·3	48·9	- 1·1	5	0·18	5	- 20	St. Ann's Head	1·7	- 1·2	17	•	•	•	•	•	•
p Cardiff	202	53	20, 23	41	20th	51·0	43·1	46·9	- 0·4	3	0·12	3	- 25	Cardiff	1·2	—	12	0	35	48·7	-1·7	52·8	-1·2
b. ENGLAND, S.W.																							
a Bath	66	58	22nd	35	20th	53·7	42·6	48·5	+ 1·9	5	0·12	3	- 16	Bath	•	•	•	•	•	51·5	-1·6	54·7	-1·6
a Shaftesbury	722	54	22, 23	39	20, 25	52·0	42·1	46·9	+ 0·1	5	0·35	9	- 14	Shaftesbury ..	•	•	•	•	•	48·8	•	53·2	•
a Arlington	613	54	23rd	37	20th	51·9	42·1	46·9	- 0·2	2	0·10	3	- 35										
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	57	23rd	39	20th	54·3	44·1	49·1	- 1·3	4	0·34	9	- 15	Newquay ..	2·2	- 1·1	22	0	35	51·9	•	54·5	•
a Cullompton	202	57	26th	32	20th	53·7	42·0	47·7	+ 0·3	5	0·16	4	- 20	Cullompton ..	1·2	- 1·4	12	2	26	49·6	•	•	•
a Portland Bill	19	58	23rd	44	25th	55·6	46·7	51·0	+ 0·3	4	0·20	5	- 16	Weymouth ..	2·0	—	20	•	•	•	•	•	•
p Plymouth	116	57	23rd	41	20th	55·0	45·9	50·4	+ 0·2	4	0·41	10	- 14	Plymouth ..	1·9	- 1·2	19	•	•	48·9	-3·4	53·5	•
a Falmouth	167	59	23rd	40	24, 25	55·9	43·4	49·5	- 0·5	4	0·40	10	- 20	Falmouth ..	2·4	- 0·9	24	0	34	52·5	•	55·4	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	53	20th	38	26th	50·0	43·1	46·5	- 0·7	3	0·29	7	- 11	Malin Head ..	0·9	—	9	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	53	20th	44	21, 23, 24	51·4	44·9	48·1	0·0	5	0·30	8	- 21	Markree Castle	1·0	- 1·8	10	1	30	50·0	-0·5	52·0	-1·4
{ *p* Markree Castle ..	122	55	21st	35	24th	53·1	41·9	47·3	+ 2·0	3	0·18	5	- 19										
b. East .. { *p* Armagh	196	54	20, 23	32	26th	51·3	39·3	45·1	- 0·3	1	0·07	2	- 14	Armagh	1·3	- 1·6	13	3	25	48·8	-1·0	51·0	-1·6
{ *a* Donaghadee	101	53	20, 23	41	23, 24, 26	51·0	43·3	47·0	+ 0·1	2	0·12	3	- 14										
10. IRELAND, S.																							
p Dublin, City	47	54	20, 26	34	24th	52·3	40·7	46·3	- 1·2	4	0·24	6	- 10	Trinity Coll. ..	•	•	•	•	•	•	•	•	•
a Birr Castle	175	54	26th	31	23, 24	51·1	35·3	43·0	- 2·3	4	0·10	3	- 15	Phœnix Park ..	2·3	- 0·9	23	3	20	•	•	•	•
a Kilkenny	212	55	26th	28	24th	52·7	36·3	44·3	- 1·7	4	0·10	3	- 16	Dublin City ..	•	•	•	0	31	•	•	•	•
a Waterford	120	55	23rd	35	24th	52·7	40·1	46·2	- 1·4	3	0·11	3	- 21	Birr Castle ..	0·8	- 2·4	6	3	23	•	•	•	•
p Seskin, Carrick-on-Suir	541	55	22nd	35	20, 24	51·4	39·4	45·2	—	4	0·07	2	—	Seskin	2·6	—	26	4	27	•	•	•	•
a Cahir	199	56	23rd	28	23rd	53·0	33·7	43·1	- 2·9	2	0·05	1	—										
a Foynes	50	55	26th	36	24th	52·3	41·9	46·9	- 0·5	3	0·15	4	- 19										
a Cahirciveen (Val. Obs.)	30	56	20, 21	34	24, 25	53·7	38·9	46·1	- 3·1	3	0·22	6	- 28	Cahirciveen ..	3·4	+ 0·3	34	0	31	•	•	•	•
a Killarney	174	59	20, 23	33	20, 23	55·6	38·6	46·9	- 0·9	3	0·13	3	- 30	Ballinacurra ..	3·0	0·0	30	•	•	•	•	•	•
a Roche's Point	32	56	23rd	38	23rd	53·7	41·0	47·2	- 1·8	5	0·11	3	- 22										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	21–23, 26	47	20, 23	54·4	48·4	51·3	- 0·9	6	0·76	19	- 5	Scilly	2·1	- 1·2	21	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	23rd	43	23rd	57·0	48·1	52·4	+ 0·3	4	0·79	20	- 10	St. Heliers ..	2·2	- 1·3	22	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	58	22, 23, 26	46	25th	56·9	50·3	53·5	+ 1·3	4	0·50	13	- 18	Guernsey† ..	1·6	- 1·9	16	0	41	53·1	-1·2	55·5	-1·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 26th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
														Day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	24, 25	13	47	97	11	0	247	14	25	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	2	52	114	0	315	6	25	14	17	25	13	55
Aberdeen	153	105	52	—	—	25	1	13	94	60	0	293	11	25	13	18	25	13	5
Edinburgh	485	39	31	—	—	24	3	28	110	57	0	247	13	24	21	19	24	20	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	24	1	33	59	75	0	230	12	24	24	17	24	23	55
Paisley	188	81	15	—	—	—	—	11	96	61	0	247	7	24	23	15	24	23	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	1	58	119	0	270	6	25	2	14	25	2	0
South Shields	72	61	12	—	—	—	—	4	92	72	0	270	6	25	3	11	24	12	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	20	1	26	92	39	0	11	11	20	22	—	—	—	—
Gorleston	52	42	‡‡	—	—	20	10	36	63	13	46	360	11	20	7	14	20	6	10
Shoeburyness	103	90	‡	—	—	—	—	36	100	32	0	11	10	20	7	13	20	18	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	13	76	79	0	23	7	20	19	15	20	13	30
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	4	132	32	0	—	6	20	23	14	20	18	20
Brighton	261	53	6	—	—	—	—	45	103	20	0	—	9	20	22	14	20	21	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	20	1	73	88	6	0	23	12	20	13	18	20	12	45
Richmond (Kew Obs.)..	82	65	‡	—	—	—	—	11	68	89	0	11	7	20	11	12	20	10	50
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	8	50	110	0	236	7	25	2	12	20	21	5
Fleetwood (Cup Anr.) ..	109	44	—	—	—	20, 24, 25	8	37	89	34	0	23	13	20	12	—	—	—	—
Southport	80	62	48	—	—	24, 25	8	44	105	11	0	270	13	25	5	16	25	4	50
Holyhead	60	40	‡	—	—	—	—	52	77	39	0	45	10	20	15	13	25	4	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	20	2	40	94	32	0	23	11	20	23	14	20	23	10
Plymouth	185	88	2	—	—	—	—	15	88	65	0	—	8	20	17	13	21	1	50
Lyme Regis	556	61	‡	—	—	20, 21	2	46	38	82	0	—	12	20	24	16	21	1	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	25	2	36	93	21	16	247	11	25	5	—	—	—	—
Quilty	100	40	‡‡‡	—	—	—	—	19	36	89	24	—	8	25	4	12	24	20	30
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	—	—	1	82	65	20	75	6	21	9	10	21	14	25
Weaver Pt.	160	30	‡‡‡	—	—	—	—	16	130	22	0	—	8	20	13	12	20	12	5
11. ENGLISH CHANNEL																			
Scilly	160	32	‡	—	—	—	—	42	87	29	10	337	9	20	10	12	20	10	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees. ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-THIRD WEEK of 1918—October 20th to October 26th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	29	82·1	77·5	79·7	− 0·1	23	− 7	5	− 6	5	0	0·45	11	− 17	1·0	−1·5	17	1017
Eastern.																			
1. SCOTLAND, EAST ...	55	25	82·3	76·8	79·5	− 0·2	25	− 5	9	− 6	4	0	0·18	4	− 14	2·1	−0·6	21	1018
2. ENGLAND, N.E.	57	32	83·8	78·5	81·1	+ 0·1	33	− 4	0	− 7	3	− 1	0·21	5	− 13	2·2	−0·4	22	1018
3. ENGLAND, EAST ...	60	31	84·4	78·6	81·4	0·0	36	− 8	0	− 7	4	0	0·33	8	− 8	1·6	−1·2	17	1014
4. MIDLAND COUNTIES ...	60	27	83·9	77·9	80·8	0·0	33	− 5	3	− 7	4	0	0·20	5	− 12	1·5	−1·0	15	1019
5. ENGLAND, S.E.	60	33	85·6	80·0	82·7	+ 0·5	53	+ 2	0	− 5	4	0	0·40	10	− 12	2·3	−0·8	23	1017
Western.																			
6. SCOTLAND, WEST ...	60	29	83·7	77·0	80·2	− 0·3	33	− 3	8	− 1	4	0	0·28	7	− 19	2·3	−0·3	23	1020
7. ENGLAND, N.W.	58	29	83·9	78·0	80·9	− 0·3	34	− 6	3	− 2	2	− 2	0·12	3	− 20	2·5	−0·1	25	1019
8. ENGLAND, S.W.	59	28	84·8	79·3	81·9	− 0·3	43	− 7	0	− 4	4	− 1	0·22	6	− 21	1·6	−1·3	16	1018
9. IRELAND, NORTH ...	59	31	83·7	78·2	80·9	0·0	32	− 7	2	− 6	3	− 1	0·18	5	− 17	1·2	−1·8	12	1019
10. IRELAND, SOUTH ...	59	28	84·7	76·6	80·6	− 1·0	40	− 6	10	+ 4	3	− 1	0·13	4	− 20	2·3	−0·7	23	1020
11. ENGLISH CHANNEL ...	59	43	86·4	82·4	84·3	0·0	73	+ 1	0	0	5	0	0·68	17	− 11	2·0	−1·4	20	1017

THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, September 1st to October 26th, 1918.

0. SCOTLAND, NORTH ...	64	25	84·2	78·2	81·1	− 1·5	281	− 157	20	− 7	44	+ 6	11·73	297	+ 97	3·0	0·0	26	1004
Eastern.																			
1. SCOTLAND, EAST ...	68	22	85·0	77·7	81·2	− 1·5	320	−144	35		41	+11	7·39	186	+ 61	3·6	+0·1	31	1005
2. ENGLAND, N.E.	72	31	86·7	80·0	83·2	− 0·7	474	− 80	4	− 9	40	+12	6·40	163	+ 55	3·7	−0·2	32	1007
3. ENGLAND, EAST ...	74	30	87·7	80·5	83·9	− 0·8	554	− 80	8	− 7	39	+12	6·63	169	+ 65	4·0	−0·2	35	1010
4. MIDLAND COUNTIES ...	70	27	87·0	79·9	83·3	− 0·7	500	− 75	13	− 13	43	+16	7·97	201	+ 91	3·5	−0·2	30	1011
5. ENGLAND, S.E.	72	29	88·2	81·2	84·6	− 0·7	623	− 65	9	− 3	38	+11	7·62	194	+ 68	4·3	−0·2	37	1011
Western.																			
6. SCOTLAND, WEST ...	69	27	85·8	79·1	82·3	− 1·1	396	−122	12	− 7	45	+15	12·50	319	+131	3·4	−0·1	29	1007
7. ENGLAND, N.W.	74	29	86·3	80·7	83·4	− 0·8	489	− 92	3	− 6	45	+15	11·44	291	+140	3·4	−0·3	30	1009
8. ENGLAND, S.W.	72	27	87·2	81·3	84·1	− 0·9	565	− 88	4	− 4	46	+15	10·46	268	+101	3·8	−0·3	33	1011
9. IRELAND, NORTH ...	68	29	85·7	79·5	82·5	− 1·3	407	−138	6	− 7	47	+13	9·66	245	+ 93	3·2	−0·2	28	1007
10. IRELAND, SOUTH ...	72	28	86·8	80·1	83·3	− 1·2	498	−117	12	+ 1	44	+13	10·46	267	+112	3·7	−0·2	32	1011
11. ENGLISH CHANNEL ...	74	39	88·6	83·7	86·1	− 0·6	759	− 64	0	0	44	+12	8·33	211	+ 60	4·7	−0·4	41	1013

THE YEAR 1918.—Aggregates, &c., for the Period of 43 Weeks, December 30th, 1917, to October 26th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·1	78·0	81·0	− 0·1	1841	−139	534	− 32	200	+ 1	43·89	1111	+119	3·4	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·0	77·5	81·1	− 0·3	2052	−150	652	0	174	+ 6	25·75	652	+ 26	3·9	−0·2	30	1012
2. ENGLAND, N.E.	84	9	86·3	79·1	82·6	+ 0·3	2598	+ 67	398	− 87	154	+ 2	20·54	521	+ 11	4·4	−0·1	34	1014
3. ENGLAND, EAST ...	92	14	87·1	79·2	83·0	+ 0·1	2843	− 65	419	− 90	146	− 1	21·94	559	+ 76	4·9	0·0	38	1015
4. MIDLAND COUNTIES ...	89	12	87·3	79·0	83·0	+ 0·3	2845	+ 34	415	−133	152	+ 6	23·91	607	+ 68	4·2	−0·1	33	1015
5. ENGLAND, S.E.	90	15	87·5	79·8	83·5	0·0	3038	− 61	362	− 29	143	0	24·50	622	+ 87	5·1	0·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·8	78·9	82·2	0·0	2392	− 29	386	− 49	185	+10	38·86	989	+ 71	4·1	−0·1	32	1014
7. ENGLAND, N.W.	84	12	86·3	79·8	82·9	+ 0·2	2686	+ 43	283	−108	165	+ 5	31·14	793	+ 92	4·5	+0·1	34	1014
8. ENGLAND, S.W.	82	16	86·9	80·1	83·4	+ 0·1	2885	− 38	260	− 49	160	0	31·44	803	+ 50	5·0	+0·2	39	1016
9. IRELAND, NORTH ...	80	18	86·0	79·4	82·6	+ 0·1	2505	− 12	283	− 70	192	− 1	30·17	764	+ 1	3·9	0·0	30	1013
10. IRELAND, SOUTH ...	84	19	87·1	80·1	83·5	+ 0·1	2912	+ 17	229	− 42	182	+11	34·25	870	+ 78	4·5	+0·1	35	1015
11. ENGLISH CHANNEL ...	85	26	87·5	81·9	84·6	0·0	3383	− 30	91	− 14	158	− 7	23·38	595	− 27	6·1	+0·3	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 31st, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
173 8-11-18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 44.

THE FORTY-FOURTH WEEK OF 1918.

SUNDAY, OCTOBER 27TH, TO SATURDAY, NOVEMBER 2ND, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The first half of the week was characterised by quiet anticyclonic conditions, but during the last few days the weather became disturbed, the change being associated with important depressions from the Atlantic. Gales from South-East or South were very general throughout the British Isles on Saturday. Early in the morning of Sunday, October 27th, there were some low temperatures, screen minima of 272 a. being recorded in several parts of Great Britain and also at Killarney, the grass thermometers on the same occasion being down to 270 a.; the lowest reading on the grass, 266 a., occurred, however, at Ford (Argyll) on November 1st. The temperature of the week was marked by much uniformity, in many parts of England the range of the daily maxima, around 287 a., was very small, while the nights, with the exception of that of Sunday–Monday, were generally mild. For the week as a whole the mean temperature was above the normal in all Districts, the greatest excess, about .3 a., being shown in some English Districts, and the least divergence in Scotland North and Ireland. At several stations in Eastern and Central England rain fell on one day only, but in the West and North there were six or seven rain-days. The total rainfall was considerably more than the normal in Ireland and Scotland West, less in nearly all other Districts. Amounts of 20mm. and more in one day occurred at the end of the period; 27mm. fell at Balmoral and Crathes on Friday, and amounts ranging between 20mm. and 31mm. at various stations in the Counties bordering on the St. George's Channel. In Scotland, North, bright sunshine was slightly above normal, but in all other Districts it was very deficient; at some stations the week was sunless. In some localities there was one fine sunny day, generally Wednesday or Thursday, when five to six hours or more were recorded. Lightning occurred at Dublin on Friday. Solar halos were seen at Oxford on October 30th and November 2nd.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	6·9	22	6·1	24	4·3	22	3·0	27	6·8	—	—	23	5·8	14	7·4
North	0	—	0	—	1	0·6	0	—	1	6·1	—	—	3	4·2	11	3·2
West	8	2·6	17	3·4	9	0·8	14	1·8	18	3·5	—	—	9	5·1	10	6·6
East	11	8·2	9	3·6	12	3·0	6	1·9	9	4·6	—	—	11	4·5	14	2·5
Calm	3	—	1	—	3	—	6	—	0	—	—	—	2	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	Districts of the British Isles.											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Moderate	Moderate	Unusual
Rainfall ...	Moderate	Moderate	Light	Light	Light	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate
Sunshine ...	Moderate	Very scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Scanty

The Season.—Enumeration of the characters of the weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
AUTUMN. 9 weeks from Sept. 1st, 1918.	Warmth ...	0, 4, 5	1, 4, 4	2, 4, 3	2, 4, 3	1, 6, 2	2, 3, 4	1, 3, 5	1, 4, 4	1, 4, 4	0, 4, 5	0, 4, 5	2, 3, 4
	Rainfall ...	4, 3, 2	5, 3, 1	3, 4, 2	5, 1, 3	4, 2, 3	4, 3, 2	6, 1, 2	6, 2, 1	4, 3, 2	6, 1, 2	6, 1, 2	3, 6, 0
	Sunshine ...	3, 4, 2	3, 4, 2	1, 6, 2	1 3, 5	1, 4, 4	1, 5, 3	1, 4, 4	2, 4, 3	1, 5, 3	3, 3, 3	2, 3, 4	1, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(20197—19.) Wt. 199—789. 625. 11/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.	54	51	28th	36	27th	48·9	41·1	44·9	+ 0·6	7	1·02	26	+ 1										
a, Islands .. a Lerwick ..	160	53	28th	39	1st	51·4	42·4	46·8	—	7	0·71	18	- 6	Deerness	2·6	+ 0·9	29	•	•	•	•	•	•
p Deerness	51	55	30th	35	2nd	52·9	39·6	46·1	+ 1·5	7	1·65	42	+ 8	Stornoway	1·9	- 0·1	21	•	•	•	•	•	•
a Stornoway	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	•	•	•	•	•	•
a Castlebay, Barra Isd.																							
b, Mainland. a Wick	81	55	28th	34	1st	52·3	39·3	45·6	+ 1·5	6	0·36	9	- 10	Fort Augustus	—	—	—	•	•	•	•	•	•
p Glencarron	500	58	2nd	32	1st	53·3	39·9	46·4	+ 3·3	7	1·23	31	- 24										
a Fort Augustus	68	—	—	—	—	—	—	—	—	4	0·93	24	- 2										
p Fort William	171	58	30th	31	1st	53·1	41·4	47·1	+ 2·2	7	2·71	69	+ 22										
1. SCOTLAND, E. a Nairn	82	59	28, 2	30	27, 1, 2	55·1	35·6	45·1	+ 1·6	5	0·30	8	- 8	Nairn	1·8	—	20	•	•	•	•	•	•
p Gordon Castle	101	60	28th	35	1st	54·3	43·0	48·5	+ 3·9	5	0·50	13	- 7	Gordon Castle	1·2	—	13	•	•	•	•	•	•
a Aberdeen	46	56	28th	36	27th	53·0	43·7	48·2	+ 3·6	7	1·11	28	+ 8	Aberdeen	0·6	- 1·6	7	0	36	•	•	47·9	- 0·6
a Balmoral	930	54	28th	30	1st	49·1	38·7	43·9	+ 3·2	6	1·49	38	+ 14	Balmoral	•	•	•	1	28	•	•	•	•
p Crieff	432	55	28th	35	1st	52·7	42·4	47·4	+ 3·4	6	1·01	26	- 2	Crathes	0·4	- 1·7	4	0	35	47·5	+1·9	48·1	- 0·7
a Dundee	244	56	28, 29	40	27, 1	53·7	42·1	47·7	+ 3·7	3	0·71	18	+ 1	Dundee	0·1	—	1	0	33	46·4	•	•	•
a Leith	30	60	28th	41	27th	55·6	45·0	50·1	+ 4·2	5	0·49	12	- 2	Leith	—	—	—	—	—	•	•	•	•
p Edinburgh	441	58	28th	41	1st	54·7	46·0	50·2	+ 5·4	4	0·46	12	- 4	Edinburgh	1·0	- 1·3	11	0	39	•	•	•	•
a West Linton	769	56	2nd	38	1st	53·4	41·0	47·0	+ 6·1	6	0·94	24	—	West Linton	0·7	—	8	0	33	•	•	•	•
p Marchmont	498	55	2nd	40	1st	52·9	45·9	49·3	+ 5·8	5	0·65	17	- 6	Marchmont	0·4	- 1·6	4	•	•	•	•	•	•
6. a, SCOTLAND, W. a Ford (Argyll)	149	55	28, 1, 2	30	1st	53·8	39·2	46·3	—	7	2·85	72	—	Ford (Argyll)	•	•	•	1	20	47·7	•	49·6	•
p Glasgow Observatory	180	57	28th	41	1st	54·0	46·0	49·9	+ 4·7	6	0·96	25	+ 3	Glasgow	1·0	- 0·5	11	0	35	•	•	•	•
p Rothesay	200	55	28th	36	1, 2	51·7	42·0	46·7	+ 5·7	7	2·01	51	+ 21	Rothesay	0·7	—	8	1	30	47·3	•	49·1	- 0·3
a Kilmarnock	90	58	28th	40	27th	54·6	44·7	49·6	+ 5·8	5	1·22	31	+ 8	Kilmarnock	0·6	—	7	•	•	47·8	•	49·0	•
a Colmonell	170	56	28th	43	27, 1	54·9	45·9	50·3	+ 4·4	6	2·61	66	+ 36	Colmonell	•	•	•	0	41	•	•	•	•
p Cally, Gatehouse	120	56	28th	42	1st	54·6	47·1	50·7	+ 5·9	5	1·57	40	+ 9	Dumfries	0·6	—	6	0	36	48·6	+2·9	49·1	- 1·2
p Dumfries	160	57	28, 2	42	1st	54·9	46·9	50·8	+ 5·6	5	1·43	36	+ 13	Eskdalemuir	0·7	—	8	—	—	•	•	•	•
a Eskdalemuir	794	53	2nd	37	27th	51·6	42·6	47·0	—	7	2·01	51	—										
b, I. OF MAN p Douglas	277	56	30th	43	1st	54·3	47·9	51·0	+ 3·8	6	1·38	35	+ 5	Douglas	0·3	- 2·4	3	0	42	•	•	•	•
2. ENGLAND, N.E. a Alnwick Castle	210	59	28th	38	27th	55·9	46·0	50·8	+ 5·6	2	0·43	11	- 9										
a Tynemouth	71	58	27th	42	27th	55·7	47·0	51·2	+ 5·2	1	0·20	5	- 9	Cockle Park	0·9	- 1·5	10	0	31	46·5	+2·6	47·7	- 0·2
p Durham	336	57	27th	38	27th	54·6	45·7	50·0	+ 5·2	2	0·31	8	- 7	Durham	1·2	- 0·9	13	1	29	•	•	•	•
a North .. p Rounton	249	57	28, 1, 2	38	27th	55·6	46·1	50·7	+ 6·0	2	0·20	5	- 9	Rounton	•	•	•	1	28	48·6	•	•	•
a West Witton	605	55	27, 29	35	27th	54·1	44·7	49·3	—	1	0·51	13	—	West Witton	•	•	•	1	30	47·8	•	48·1	•
p Scarborough	100	62	30th	45	27, 29	56·6	48·4	52·4	+ 5·5	2	0·35	9	- 7	Scarborough†	1·5	- 0·6	16	•	•	•	•	50·0	•
p York	56	58	28, 2	40	27th	56·4	46·7	51·4	+ 5·5	1	0·26	7	- 6	York	0·9	- 0·9	10	•	•	49·2	+0·7	51·0	- 0·7
a Spurn Head	26	56	29th	44	27th	54·4	47·9	51·1	+ 3·6	1	0·16	4	- 8	Spurn Head	0·5	—	5	•	•	•	•	•	•
b, South .. a Lincoln	58	59	2nd	39	27th	56·9	47·7	52·2	+ 6·5	2	0·04	1	- 11	Lincoln	•	•	•	0	33	49·3	+2·6	51·1	- 0·9
a Fulbeck	180	58	29, 2	37	27th	56·6	46·7	51·5	+ 5·6	3	0·15	4	- 8	Rauceby	0·8	- 1·5	9	•	•	49·9	+2·5	51·2	- 0·9
														Skegness	1·4	- 1·2	15	•	•	•	•	•	•
3. ENGLAND, E. p Cromer	196	59	30th	38	27th	55·7	46·3	50·9	+ 3·2	4	0·09	2	- 13	Cromer	1·0	- 1·6	11	•	•	•	•	•	•
a Little Massingham	280	58	30th	36	27th	55·1	44·3	49·5	+ 3·4	2	0·17	4	- 14	Lit. Massingham	0·9	- 1·5	10	•	•	•	•	•	•
a Yarmouth	13	59	28th	40	27th	55·4	47·4	51·3	+ 3·7	4	0·18	5	- 12	Yarmouth	1·7	—	18	0	35	50·6	+2·5	53·0	0·0
a Norwich	93	59	1st	34	27th	56·0	46·9	51·3	+ 4·6	3	0·10	3	- 15	Norwich	0·9	—	10	1	30	48·7	•	•	•
a Geldeston	37	61	31st	30	27th	57·9	45·0	51·3	+ 4·0	3	0·15	4	- 13	Geldeston	1·3	- 1·4	14	•	•	•	•	•	•
p Cambridge	41	59	31st	32	27th	56·4	46·9	51·5	+ 4·9	2	0·09	2	- 12	Cambridge	0·8	- 1·8	8	1	29	50·8	+2·5	52·6	- 0·4
a Clacton-on-Sea	54	58	28th	37	27th	55·3	49·0	52·1	+ 4·3	4	0·16	4	- 8	Clacton	1·2	- 1·7	13	?	?	51·5	+0·8	53·1	0·8
a Rothamsted	424	57	30th	38	27th	55·3	46·4	50·7	+ 4·6	3	0·36	9	- 9	Rothamsted	0·8	- 1·8	8	1	27	49·9	•	•	•
p Tottenham	51	59	30th	40	27th	57·4	48·7	52·9	—	3	0·24	6	—	Tottenham	0·6	—	6	0	35	•	•	53·3	- 1·1
4. MIDLAND COUNTIES. a Harrogate	479	56	28th	39	27, 1	54·7	45·1	49·8	+ 5·3	1	0·17	4	- 15	Harrogate	0·6	- 1·7	6	0	31	48·0	+1·2	48·9	0·0
a North .. p Sheffield	429	57	28-30	43	31, 1	56·3	46·9	51·5	—	2	0·36	9	—	Sheffield	1·2	- 0·9	13	0	31	48·7	+1·6	50·5	- 0·3
p Buxton	987	51	27th	41	27th	52·9	45·3	49·0	—	2	0·55	14	- 17	Buxton	1·3	—	14	0	35	46·9	+1·9	49·1	- 1·0
a Bawtry	65	58	28-30, 2	35	27th	57·1	45·9	51·3	+ 6·0	1	0·17	4	- 10	Worksop	1·1	- 0·9	12	2	27	48·9	•	50·1	•
a Nottingham	82	58	30, 2	30	27th	56·9	45·3	50·9	+ 5·3	1	0·16	4	- 10	Nottingham	0·8	- 1·1	9	1	30	49·3	+3·2	49·8	- 1·2
b, East .. p Birmingham, Edgbsn.	535	56	27, 29, 30	44	2nd	55·1	47·0	50·9	+ 5·1	1	0·34	9	- 7	Birmingham	0·8	- 0·9	9	0	38	49·2	+2·4	50·0	- 0·7
a Raunds	203	58	30, 2	30	27th	57·0	45·7	51·2	+ 5·7	5	0·26	7	- 8	Raunds	1·1	—	11	1	28	50·0	•	53·2	•
p Oxford	208	58	29, 30, 2	46	27, 2	56·7	48·6	52·5	+ 6·0	4	0·45	11	- 5	Oxford	1·2	- 1·3	13	0	41	•	•	•	•
a Cheadle (N. Staffs.)	646	56	27, 29	41	31st	54·3	46·4	50·2	+ 5·6	1	0·29	7	- 12	Cheadle	•	•	•	0	31	•	•	•	•
p Tenbury	313	60	27th	36	31st	56·6	46·3	51·3	+ 5·8	3	0·70	18	+ 3	Tenbury	•	•	•	0	31	50·3	•	•	•
c, West .. a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern	1·5	—	16	0	37	50·4	•	51·4	•
a Clifton	229	59	1st	46	27th	56·9	48·4	52·6	+ 4·5	5	0·61	16	- 10	Clifton	1·2	—	13	0	42	•	•	•	•
5. ENGLAND, S.E. a Marlborough	424	56	27-29, 1	45	27, 2	54·9	47·3	51·0	+ 5·4	4	0·77	20	- 3	Worthing	1·5	- 1·7	16	0	39	52·8	+2·6	54·0	- 0·4
p Salisbury (Wilton)	180	58	29th	44	2nd	56·9	47·1	51·9	+ 5·3	4	1·28	33	+ 7	Marlborough	1·0	- 1·3	10	0	40	51·5	•	52·5	•
a Wisley, Surrey	150	58	27, 30, 1	42	27th	57·1	48·0	52·4	+ 5·5	3	0·70	18	0	Salisbury	•	•	•	0	40	51·9	•	•	•
a Tunbridge Wells	354	58	27, 29	37	27th	57·0	47·6	52·2	+ 4·7	5	0·61	15	- 10	Wisley	1·3	- 1·3	14	0	32	50·6	+2·3	51·8	- 0·6
a Margate	51	60	28th	41	27th	57·9	48·7	53·2	+ 4·0	5	0·65	17	- 1	Tunbridge Wells	1·1	- 1·8	11	1	28	52·2	+4·1	53·1	•
														Margate	1·6	- 1·0	17	0	35	52·1	+2·9	54·1	+1·0
a Dungeness	21	58	2nd	40	27th	56·7	49·6	53·1	+ 3·9	7	0·52	13	- 9	Folkestone	1·6	—	17	•	•	•	•	52·0	•
p St. Leonards	178	59	27, 28	43	27th	57·3	49·9	53·5	+ 4·2	6	0·82	21	- 3	St. Leonards	1·4	- 1·8	15	0	35	52·7	•	53·9	•
p Southampton	64	61	28th	48	2nd	58·0	49·9	53·8	+ 4·8	6	0·87	22	- 3	Southampton	1·4	- 1·4	15	0	40	•	•	•	•
a Ventnor	59	60	29th	49	27th	57·4	51·9	54·6	+ 3·6	6	0·71	18	- 7	Ventnor	1·6	- 1·6	17	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	58	27, 30, 2	39	27th	57·6	47·7	52·5	+ 5·0	3	0·25	6	- 11	Richmond	1·2	- 1·1	13	1	29	50·5	+2·3	51·8	- 0·9
a Westminster	27	60	30th	37	27th	58·5	49·1	53·7	+ 5·0	4	0·23	6	- 10	Westminster	1·0	- 0·6	10	0	34	•	•	•	•
ag Greenwich	149	61	30th	36	27th	58·9	47·4	53·0	+ 6·6	4	0·30	8	- 6	Greenwich	1·1	- 1·1	11	1	26	•	•	•	•
a Hampstead	450	58	30th	44	27th	55·7	47·7	51·6	—	3	0·32	8	—	Hampstead	0·6	—	6	0	32	•	•	•	•
ag Camden Square	110	61	30th	38	27th	58·3	48·6	53·3	+ 5·2	3	0·27	7	- 10	Camden Square	0·5	- 1·2	5	0	35	•	•	•	•
7. a, ENGLAND, N.W. p Aspatria (Mealsgate)	487	58	2nd	42	1st	54·0	46·9	50·4	+ 5·3	7	0·95	24	- 1	Aspatria	1·0	- 1·5	11	0	38	48·3	+2·1	49·1	- 1·0
p Newton Rigg	559	60	30th	41	27th	55·0	46·3	50·5	+ 6·7	6	1·00	25	+ 3	Newton Rigg	0·8	- 1·3	9	0	33	48·2	+1·6	49·2	- 0·3
p Stonyhurst	375	56	28, 29, 1	37	27th	54·7	46·6	50·5	+ 5·2	5	0·54	14	- 14	Stonyhurst	0·9	- 1·1	10	0	35	•	•	•	•
p Blackpool	66	58	1st	42	27th	55·9	48·1	51·9	+ 5·4	4	0·32	8	- 14	Blackpool	1·0	- 1·4	11	0	37	50·0	•	51·3	•
a Southport	37	58	1st	42	27th	56·0	47·1	51·4	+ 4·9	4	0·34	9	- 11	Southport	1·0	- 1·3	11	0	32	49·0	+3·2	50·8	+0·5
														Hoylake	1·2	- 1·1	13	•	•	•	•	•	•
a Liverpool (Bidston)	188	57	28, 29, 1	41	27th	55·9	47·0	51·3	+ 4·3	3	0·31	8	- 10	Liverpool	1·2	—	13	—	—	•	•	•	•
a Hawarden Bridge	22	59	27, 29, 1	38	27th	57·3	47·6	52·3	+ 4·8	2	0·49	13	- 3	Manchester (City)	1·0	- 0·2	11	0	39	49·3	+2·1	51·9	- 0·9
p Manchester (Whit. Pk.)	125	56	28, 30	45	31, 1	55·6	48·0	51·7	+ 5·6	4	0·12	3	- 15	Whitworth Park	1·2	0·0	13	1	0	•	•	•	•
b, NORTH WALES. p Llandudno	16	59	30, 2	46	31st	57·4	49·4	53·3	+ 4·7	4	0·26	7	- 13	Llandudno	1·7	- 0·9	18	•	•	•	•	•	•
a Holyhead	15	60	1st	44	27th	56·6	48·6	52·5	+ 3·6	5	1·78	45	+ 20	Holyhead	0·3	—	3	—	—	•	•	•	•
a Beddgelert	309	59	30, 1	42	27th	56·3	47·7	51·9	—	7	1·44	37	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
3. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	59	30th	46	31st	56·0	49·1	52·5	—	4	0·69	18	—	Aberystwyth ..	0·5	– 2·1	5	•	•	•	•	•	•
a Rhayader	767	57	1st	36	31st	54·3	45·7	49·9	—	6	0·69	17	—	Rhayader ..	0·8	—	8	0	31	•	•	•	•
a St. Ann's Head	149	57	1st	50	27, 28, 31	54·6	51·1	52·8	+ 3·2	7	1·79	45	+ 18	St. Ann's Head ..	0·6	– 1·9	6	•	•	•	•	•	•
p Cardiff	202	56	31, 1	46	30, 2	54·7	47·9	51·2	+ 4·5	4	0·62	16	– 13	Cardiff	0·7	—	7	0	42	50·8	+2·5	52·1	–0·6
b. ENGLAND, S.W.																							
a Bath	66	60	1st	45	1st	57·6	48·7	53·0	+ 6·1	4	0·61	15	– 5	Bath	•	•	•	•	•	52·8	+2·4	54·2	–0·7
a Shaftesbury	722	56	27, 1	44	27th	54·1	46·0	49·9	+ 3·7	5	0·85	22	– 2	Shaftesbury ..	•	•	•	•	•	50·9	•	52·4	•
a Arlington	613	56	1st	44	31st	53·4	47·5	50·4	+ 3·6	5	0·68	17	– 23										
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	58	27, 1	45	31st	56·0	48·9	52·4	+ 2·2	6	1·22	31	+ 6	Newquay ..	1·6	– 1·3	17	0	37	53·5	•	53·9	•
a Cullompton	202	60	29th	47	31, 1	56·7	48·6	52·5	+ 5·5	7	1·20	31	+ 6	Cullompton ..	0·8	– 1·5	8	0	39	51·7	•	•	•
a Portland Bill	19	59	29th	50	27th	56·7	52·1	54·3	+ 3·9	6	0·51	13	– 8	Weymouth ..	1·6	—	17	•	•	•	•	•	•
p Plymouth	116	58	29th	49	2nd	56·6	51·1	53·8	+ 4·5	6	1·07	27	+ 2	Plymouth ..	0·7	– 2·0	7	•	•	52·4	+2·0	53·3	•
a Falmouth	167	57	27th	47	31st	55·6	49·7	52·6	+ 2·7	5	1·75	44	+ 11	Falmouth ..	1·1	– 1·8	11	0	43	54·1	•	55·2	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	55	30th	38	27th	52·9	42·6	47·6	+ 0·4	7	0·83	21	+ 1	Malin Head ..	0·4	—	4	•	•	•	•	•	•
a Blacksod Point ..	327	57	30th	37	1st	53·3	43·0	48·0	– 0·1	7	2·28	58	+ 26	Markree Castle	1·0	– 1·4	11	1	22	49·8	+1·3	51·5	–0·9
p Markree Castle ..	122	56	28, 30	25	1st	53·1	39·9	46·3	+ 1·0	6	1·58	40	+ 14										
b. East .. { *p* Armagh	196	57	28th	31	1st	53·7	42·9	48·1	+ 2·7	6	1·53	39	+ 22	Armagh	0·7	– 1·8	8	1	30	49·3	+1·4	50·5	–1·0
a Donaghadee	101	58	29th	41	27th	54·8	44·9	49·8	+ 2·4	7	1·23	31	+ 12										
10. IRELAND, S.																							
p Dublin, City	47	58	28, 29	44	1st	55·6	48·7	52·1	+ 4·3	4	1·84	47	+ 31	Trinity Coll. ..	•	•	•	1	26	50·5	+1·9	51·0	–0·8
a Birr Castle	175	57	28th	30	1, 2	54·4	41·7	47·9	+ 2·5	6	0·91	23	+ 5	Phœnix Park ..	0·3	– 2·5	3	0	38	•	•	•	•
a Kilkenny	212	57	28th	40	31st	54·4	46·6	50·4	+ 4·3	5	1·60	41	+ 22	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	120	56	27th	42	1st	53·6	47·0	50·1	+ 2·5	5	2·38	61	+ 37	Birr Castle ..	0·1	– 2·5	1	—	—	•	•	•	•
p Seskin, Carrick-on-Suir	541	55	28th	40	31, 1	52·4	44·1	48·1	—	6	2·72	69	—	Seskin	0·0	—	0	0	37	•	•	•	•
a Cahir	199	56	28, 29	38	1st	53·6	45·7	49·5	+ 3·3	5	1·42	36	—										
a Foynes	50	58	28, 30	35	1st	54·6	45·1	49·7	+ 2·1	7	1·17	30	+ 7										
a Cahirciveen (Val. Obs.)	30	56	28–30	34	1st	53·6	45·4	49·4	– 0·2	7	2·13	54	+ 21	Cahirciveen ..	1·2	– 1·5	13	—	—	•	•	•	•
a Killarney	174	58	27, 28, 30	30	1st	53·5	44·4	48·8	+ 0·7	7	2·95	75	+ 42	Ballinacurra ..	0·0	– 2·5	0	•	•	•	•	•	•
a Roche's Point	32	55	27th	42	1st	53·1	47·3	50·1	+ 0·9	7	1·12	29	+ 4										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	28, 30, 31	49	1, 2	54·9	50·3	52·5	+ 1·1	7	0·99	25	+ 5	Scilly	1·5	– 1·6	15	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	28, 29	49	30, 31	58·3	51·9	55·0	+ 3·6	6	0·46	11	– 14	St. Heliers ..	1·7	– 1·5	18	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	60	28th	49	29, 30	58·1	51·4	54·7	+ 3·3	6	0·65	17	– 9	Guernsey† ..	1·8	– 1·2	19	0	44	54·1	+1·6	55·2	–0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 2nd, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	30	1	27, 28, 30, 31	27	50	71	19	0	146	18	30	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	45	64	59	0	135	10	2	12	23	30	21	20
Aberdeen	153	105	52	—	—	2	19	35	61	53	0	146	15	2	10	24	2	10	25
Edinburgh	485	39	31	2	1	28, 30, 31, 2	26	50	75	16	0	169	17	2	17	27	2	16	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	2	1	28, 29, 31 to 2	32	74	55	6	0	190	17	2	19	27	2	8	50
Paisley	188	81	15	—	—	2	4	54	75	35	0	169	11	2	13	24	2	13	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	2	12	23	46	87	0	124	14	2	9	22	2	7	55
South Shields	72	61	12	—	—	1, 2	16	25	75	52	0	189	15	2	10	25	2	10	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	17	112	14	25	124	9	2	11	—	—	—	—
Gorleston	52	42	‡	—	—	30, 1, 2	29	40	65	0	34	124	15	2	11	18	2	8	35
Shoeburyness	103	90	‡	—	—	2	7	59	90	12	0	?	15	2	7	18	2	6	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	2	9	37	100	22	0	157	15	2	6	27	2	6	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	23	143	2	0	—	9	2	10	20	2	5	50
Brighton	281	53	6	—	—	—	—	45	101	22	0	—	10	2	4	17	2	5	40
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	2	3	1, 2	15	61	89	0	0	180	20	2	5	29	2	5	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	19	94	53	2	214	9	2	12	16	2	12	10
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	35	94	38	0	146	10	2	12	18	2	11	55
Fleetwood (Cup Anr.) ..	109	44	—	—	—	30, 2	22	68	78	0	0	157	18	2	10	—	—	—	—
Southport	80	62	48	—	—	30, 1, 2	27	68	73	0	0	157	16	2	9	25	2	8	30
Holyhead	60	40	‡	2	2	28, 30 to 2	35	101	30	0	0	157	18	2	6	27	2	5	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	1, 2	16	30 to 2	36	41	56	19	0	203	26	2	4	35	2	3	45
Plymouth	185	88	2	1, 2	8	30, 1, 2	10	51	59	40	0	—	25	2	3	32	2	3	5
Lyme Regis	556	61	‡	1, 2	7	1, 2	14	34	39	74	0	—	21	2	1	28	2	5	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	30, 1	3	30, 1, 2	25	69	61	10	0	169	19	30	9	—	—	—	—
Quilty	100	40	‡‡‡	2	2	28, 30, 2	24	63	57	22	0	—	18	2	9	25	2	10	55
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	—	29 to 2	29	85	25	15	14	155	15	30	5	25	30	6	15
Weaver Pt.	160	30	‡‡‡‡	—	—	29 to 2	27	80	55	6	0	—	17	30	10	23	30	9	40
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FOURTH WEEK of 1918—October 27th to November 2nd, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	31	84·2	77·6	80·8	+ 1·1	35	+ 8	5	− 6	6	+ 1	1·32	34	+ 1	2·3	+0·5	25	1004
Eastern.																			
1. SCOTLAND, EAST ...	60	30	84·8	78·5	81·6	+ 2·0	38	+ 10	0	− 14	6	+ 1	0·81	21	− 1	0·7	−1·3	8	1006
2. ENGLAND, N.E.	62	37	86·3	81·3	83·7	+ 2·9	65	+ 29	0	− 7	2	− 2	0·24	6	− 9	1·1	−1·1	12	1011
3. ENGLAND, EAST ...	61	30	86·4	81·2	83·7	+ 2·4	65	+ 23	0	− 6	3	− 1	0·17	4	− 12	0·9	−1·7	10	1015
4. MIDLAND COUNTIES ...	60	30	86·3	81·1	83·6	+ 3·0	64	+ 26	0	− 9	2	− 2	0·35	9	− 9	1·0	−1·2	11	1013
5. ENGLAND, S.E.	61	37	86·9	82·3	84·6	+ 2·5	76	+ 27	0	− 3	5	+ 1	0·72	18	− 5	1·4	−1·4	14	1015
Western.																			
6. SCOTLAND, WEST ...	58	30	85·2	80·2	82·7	+ 2·0	52	+ 18	0	− 8	6	+ 1	1·75	44	+ 12	0·7	−1·5	7	1007
7. ENGLAND, N.W.	60	37	86·2	81·7	83·9	+ 2·7	68	+ 30	0	− 5	4	− 1	0·64	16	− 8	1·1	−1·1	12	1008
8. ENGLAND, S.W.	60	36	86·0	82·3	84·1	+ 2·1	70	+ 23	0	− 3	6	+ 1	0·98	25	− 4	0·9	−1·6	9	1011
9. IRELAND, NORTH ...	58	25	85·1	78·8	81·8	+ 0·9	41	+ 4	0	− 5	7	+ 2	1·39	35	+ 11	0·9	−1·6	9	1003
10. IRELAND, SOUTH ...	58	30	85·2	80·7	82·9	+ 1·2	55	+ 10	0	− 4	6	+ 1	1·72	44	+ 20	0·4	−2·3	4	1005
11. ENGLISH CHANNEL ...	60	49	86·9	83·7	85·3	+ 1·4	85	+ 17	0	0	6	+ 1	0·70	18	− 6	1·7	−1·4	17	1012

THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, September 1st to November 2nd, 1918.

0. SCOTLAND, NORTH ...	64	25	84·2	78·1	81·0	− 1·2	316	− 149	25	− 13	50	+ 7	13·15	334	+101	2·9	0·0	26	1004
Eastern.																			
1. SCOTLAND, EAST ...	68	22	85·0	77·8	81·2	− 1·2	358	−134	35	− 14	47	+12	8·20	207	+ 60	3·3	0·0	29	1005
2. ENGLAND, N.E.	72	31	86·6	80·1	83·3	− 0·3	539	− 51	4	− 16	42	+10	6·64	169	+ 46	3·4	−0·3	30	1008
3. ENGLAND, EAST ...	74	30	87·5	80·6	83·9	− 0·4	619	− 57	8	− 13	42	+11	6·80	173	+ 53	3·5	−0·6	31	1011
4. MIDLAND COUNTIES ...	70	27	86·7	80·1	83·4	− 0·2	564	− 49	13	− 22	45	+14	8·32	210	+ 82	3·2	−0·3	28	1011
5. ENGLAND, S.E.	72	29	88·1	81·3	84·6	− 0·3	699	− 38	9	− 6	43	+12	8·34	212	+ 63	4·0	−0·3	35	1012
Western.																			
6. SCOTLAND, WEST ...	69	27	85·7	79·2	82·3	− 0·8	448	−104	12	− 15	51	+16	14·25	363	+143	3·1	−0·2	27	1007
7. ENGLAND, N.W.	74	29	86·3	80·8	83·4	− 0·5	557	− 62	3	− 11	49	+14	12·08	307	+132	3·2	−0·3	28	1009
8. ENGLAND, S.W.	72	27	87·0	81·4	84·1	− 0·5	635	− 65	4	− 7	52	+16	11·44	293	+ 97	3·5	−0·5	31	1011
9. IRELAND, NORTH ...	68	25	85·7	79·4	82·4	− 1·1	448	−134	6	− 12	54	+15	11·05	280	+104	2·9	−0·4	26	1016
10. IRELAND, SOUTH ...	72	28	86·6	80·2	83·3	− 0·9	553	−107	12	− 3	50	+14	12·18	311	+132	3·4	−0·4	30	1010
11. ENGLISH CHANNEL ...	74	39	88·4	83·7	86·0	− 0·4	844	− 47	0	0	50	+13	9·03	229	+ 54	4·4	−0·5	39	1013

THE YEAR 1918.—Aggregates, &c., for the Period of 44 Weeks, December 30th, 1917, to November 2nd, 1918.

0. SCOTLAND, NORTH ...	77	5	84·1	78·0	81·0	− 0·1	1876	−131	539	− 38	206	+ 2	45·31	1148	+123	3·3	−0·2	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·0	77·6	81·1	− 0·2	2090	−140	652	− 14	180	+ 7	26·56	673	+ 25	3·9	−0·2	29	1012
2. ENGLAND, N.E.	84	9	86·3	79·2	82·6	+ 0·3	2663	+ 96	398	− 94	156	0	20·78	527	+ 2	4·3	−0·1	33	1014
3. ENGLAND, EAST ...	92	14	87·1	79·2	83·0	+ 0·1	2908	− 42	419	− 96	149	− 2	22·11	563	+ 64	4·8	0·0	37	1015
4. MIDLAND COUNTIES ...	89	12	87·3	79·1	83·0	+ 0·4	2909	+ 60	415	−142	154	+ 4	24·26	616	+ 59	4·2	−0·1	32	1015
5. ENGLAND, S.E.	90	15	87·5	79·8	83·5	0·0	3114	− 34	362	− 32	148	+ 1	25·22	640	+ 82	5·0	0·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·8	78·9	82·2	+ 0·1	2444	− 11	386	− 57	191	+11	40·61	1033	+ 83	4·0	−0·2	31	1013
7. ENGLAND, N.W.	84	12	86·3	79·9	82·9	+ 0·2	2754	+ 73	283	−113	169	+ 4	31·78	809	+ 84	4·4	+0·1	34	1014
8. ENGLAND, S.W.	82	16	86·9	80·1	83·4	+ 0·1	2955	− 15	260	− 52	166	+ 1	32·42	828	+ 46	4·9	+0·1	38	1016
9. IRELAND, NORTH ...	80	18	86·0	79·4	82·6	+ 0·1	2546	− 8	283	− 75	199	+ 1	31·56	798	+ 12	3·8	−0·1	30	1013
10. IRELAND, SOUTH ...	84	19	87·1	80·1	83·5	+ 0·2	2967	+ 27	229	− 46	188	+12	35·97	914	+ 98	4·4	0·0	34	1015
11. ENGLISH CHANNEL ...	85	26	87·5	82·0	84·6	0·0	3468	− 13	91	− 14	164	− 6	24·08	613	− 33	6·0	+0·3	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: November 7th, 1918.

EXAMINED BY AUTHORITY FOR ISSUE ARS 277 16.11.18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* No. 45.

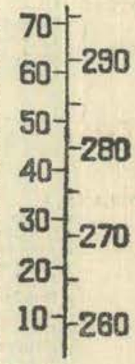
THE FORTY-FIFTH WEEK OF 1918.

SUNDAY, NOVEMBER 3RD, TO SATURDAY, NOVEMBER 9TH, 1918.

Price 6d., Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s.0d

I.—GENERAL SUMMARY. [First published in 1878.]

The weather during this week was of a very variable character, some days were very dull and wet, while others had bright sunshine uninterruptedly. Atmospheric pressure was subject to violent changes; the barometer, after being high on Wednesday and Thursday, fell to 965 mb. (28·5in.) in the neighbourhood of the Hebrides on Friday. Severe gales were associated with this disturbance on most of our western coasts. The mean temperature was below the normal in all parts of the British Islands. At the beginning of the week the maximum was as high as 288 a. in most parts of England, and, on the other hand, at the end of the period in Scotland it did not exceed 278 a. in some places. Night minima of 272 a. and below were general in Scotland on the 3rd and 4th, and over England on the 7th and 9th, the absolute lowest being 268 a. at Balmoral, West Linton and Tenbury, and 271 a. at Durham and Rothamsted. Grass minima of 269 a. and below were general, the lowest being 266 a. at Greenwich, 265 a. at West Linton and Rhayader, and 264 a. at Birmingham. Rainfall was in excess of the normal in all Districts except England North-West and the English Channel; in Scotland North and West it was again heavy. Individual falls of 20mm. and more occurred in England East and South-East on the 3rd and 4th, and on the 7th and 8th in Scotland measurements of 30mm. and upwards were common, the largest being 50mm. at Rothesay on the 4th. The week is described as the roughest of the year at some stations in Scotland West, great damage being occasioned by wind and rain. For the week as a whole bright sunshine was unusually prevalent, at some places the daily mean exceeded the normal by 100 per cent. Solar halos were seen at Oxford on the 6th and 8th, and displays of aurora were witnessed at Gordon Castle and Aberdeen on the 5th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	26	8·7	27	6·5	18	3·5	11	4·7	25	5·0	8	7·7	26	5·6	20	5·5
North	0	—	0	—	6	3·4	6	2·1	2	4·3	14	3·7	0	—	6	2·3
West	14	6·1	20	6·1	15	2·2	14	2·4	25	6·2	24	5·1	21	5·2	18	5·8
East	11	4·5	4	2·2	8	3·5	1	0·6	0	—	2	2·1	1	1·8	7	1·4
Calm	0	—	1	—	3	—	10	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below,* Note (1).

DISTRICTS OF THE BRITISH ISLES.		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Very heavy	Moderate	Moderate
	Sunshine ...	Abundant	Very abundant	Abundant	Abundant	Very abundant	Moderate	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0	1	2	3	4	5	6	7	8	9	10	11
AUTUMN. 10 weeks from Sept. 1st, 1918.	Warmth ...	0, 5, 5	1, 5, 4	2, 5, 3	2, 5, 3	1, 7, 2	2, 4, 4	1, 4, 5	1, 5, 4	1, 5, 4	0, 5, 5	0, 5, 5	2, 4, 4
	Rainfall ...	5, 3, 2	6, 3, 1	3, 5, 2	6, 1, 3	5, 2, 3	5, 3, 2	7, 1, 2	6, 3, 1	4, 4, 2	7, 1, 2	6, 2, 2	3, 7, 0
	Sunshine ...	4, 4, 2	4, 4, 2	2, 6, 2	2, 3, 5	2, 4, 4	1, 6, 3	2, 4, 4	3, 4, 3	2, 5, 3	4, 3, 3	3, 3, 4	2, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(20322—19.) Wt. 199—789. 600. 11/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	a Lerwick	54	48	3,5	29	9th	46·7	38·3	42·5	− 1·4	7	1·69	43	+ 18									
	p Deerness	160	49	3,7	35	9th	47·3	39·6	43·5	—	4	1·85	47	+ 23	Deerness	1·7	+ 1·3	21	•	•	•	•	•
	a Stornoway	51	50	9th	36	9th	48·0	39·0	43·5	− 0·6	7	3·29	86	+ 52	Stornoway	2·2	+ 0·5	27	•	•	•	•	•
	a Castlebay, Barra Isd.	37	52	7th	38	6th	48·6	41·9	45·3	—	7	1·43	36	—	Castlebay	1·4	—	16	•	•	•	•	•
b, Mainland	a Wick	81	49	3,7	35	6,7,9	47·4	38·0	42·7	− 0·7	4	1·42	36	+ 17									
	p Glencarron	500	50	7th	30	4th	45·6	34·9	40·3	− 2·1	6	4·50	114	+ 59									
	a Fort Augustus	68	52	3rd	28	3rd	47·1	34·4	40·8	− 2·6	6	4·49	114	+ 87									
	p Fort William	171	50	7,8	34	4th	47·1	37·6	42·4	− 1·8	6	4·91	125	+ 78	Fort Augustus	—	—	—	•	•	•	•	•
1. SCOTLAND, E.																							
	a Nairn	82	50	7th	27	4th	46·6	34·6	40·6	− 2·2	5	1·11	28	+ 13	Nairn	3·7	—	44	•	•	•	•	•
	p Gordon Castle	101	52	3rd	31	4th	49·0	36·1	42·6	− 1·2	4	0·94	24	+ 5	Gordon Castle	3·7	—	44	•	•	•	•	•
	a Aberdeen	46	52	4th	35	4,5	48·9	38·6	43·8	0·0	2	0·97	25	+ 6	Aberdeen	2·7	+ 0·6	32	4	23	•	•	47·7	+0·3
	a Balmoral	930	47	7th	24	4th	44·8	33·9	39·4	− 1·3	5	1·39	35	+ 12	Balmoral	•	•	•	3	22	•	•	•	•
	p Crieff	432	49	5th	31	4th	47·0	34·0	40·5	− 2·6	7	1·71	43	+ 16	Crathes	3·1	+ 1·0	36	2	23	44·5	+0·8	47·7	+0·3
	a Dundee	244	52	4th	29	4th	48·3	34·3	41·3	− 1·7	5	0·61	15	− 1	Dundee	3·0	—	35	4	20	45·0	•	•	•
	a Leith	30	54	4th	35	4th	48·9	38·4	43·7	− 1·3	5	0·59	15	+ 2	Leith	—	—	—	2	27	•	•	•	•
	p Edinburgh	441	53	5th	35	4th	47·9	37·7	42·8	− 1·1	4	0·62	16	+ 1	Edinburgh	3·0	+ 0·7	35	1	30	•	•	•	•
	a West Linton	789	53	4th	23	4th	45·9	34·3	40·1	+ 0·3	5	1·40	36	—	West Linton	2·2	—	26	3	18	•	•	•	•
	p Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—	Marchmont	—	—	—	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	49	4,7	31	4th	47·7	38·3	43·0	—	7	4·83	123	—	Ford (Argyll)	•	•	•	2	20	45·1	•	48·7	•
	p Glasgow Observatory	180	51	5th	35	4th	48·0	38·4	43·2	− 0·9	7	1·85	47	+ 24	Glasgow	2·4	+ 1·3	28	1	28	•	•	•	•
	p Rothesay	200	50	3rd	36	8th	48·7	37·7	43·2	− 1·8	7	3·74	95	+ 64	Rothesay	2·8	—	32	3	29	44·4	•	48·6	+0·3
	a Kilmarnock	90	53	4th	34	4th	50·0	38·9	44·5	+ 1·3	7	1·70	43	+ 20	Kilmarnock	2·2	—	25	•	•	45·2	•	48·8	•
	a Colmonell	170	54	4th	32	4th	49·3	39·1	44·2	− 0·6	7	2·66	68	+ 37	Colmonell	•	•	•	1	28	•	•	•	•
	p Cally, Gatehouse	120	52	4th	39	4th	49·4	36·0	42·7	− 1·0	5	2·00	51	+ 19	Dumfries	2·6	—	30	5	21	45·4	+1·6	49·1	+0·4
	p Dumfries	160	54	5th	31	4th	48·4	36·7	42·6	− 1·3	5	1·17	30	+ 8	Eskdalemuir	1·6	—	18	5	21	•	•	•	•
	a Eskdalemuir	794	52	4th	27	7th	44·9	32·4	38·7	—	7	1·82	46	—										
b, I. OF MAN	p Douglas	277	54	5th	35	7th	50·7	39·3	45·0	− 1·3	4	1·32	34	+ 4	Douglas	3·8	+ 1·7	43	0	31	•	•	•	•
2. ENGLAND, N.E																							
a, North	a Alnwick Castle	210	53	4th	32	4,7	47·7	36·0	41·9	− 2·1	4	0·47	12	− 7									
	a Tynemouth	71	56	4th	35	8th	49·7	38·1	43·9	− 0·9	4	0·33	8	− 5	Cockle Park	3·8	+ 1·6	44	4	24	41·8	−0·3	47·3	+0·7
	p Durham	336	55	5,6	28	7th	49·7	34·9	42·3	− 1·3	5	0·60	15	+ 1	Durham	3·7	+ 1·8	42	3	21	•	•	•	•
	p Rounton	249	54	5th	32	7,8	49·1	34·9	42·0	− 1·5	6	0·69	18	+ 4	Rounton	•	•	•	6	22	45·8	•	•	•
	a West Witton	605	55	4th	29	7th	47·3	35·3	41·3	—	5	1·32	34	—	West Witton	•	•	•	3	26	44·6	•	47·8	•
	p Scarborough	100	56	3,4	39	4th	51·4	41·9	46·7	+ 1·0	3	0·37	9	− 6	Scarborough†	3·8	+ 1·9	43	•	•	•	•	50·5	•
	p York	58	51	4-6	26	7th	49·3	36·1	42·7	− 1·9	4	0·75	19	+ 6	York	1·8	+ 0·2	20	•	•	47·3	+0·5	50·5	0·0
b, South	a Spurn Head	28	52	5th	37	9th	48·7	40·7	44·7	− 1·4	3	1·22	31	+ 19	Spurn Head	1·3	—	15	•	•	•	•	•	•
	a Lincoln	58	57	4th	30	7th	50·1	35·9	43·0	− 1·4	3	0·91	23	+ 11	Lincoln	•	•	•	3	28	46·4	+1·7	50·9	+0·3
	a Fulbeck	180	56	4th	32	7th	50·4	35·6	43·0	− 1·4	5	0·81	21	+ 9	Rauceby	3·2	+ 1·1	36	•	•	46·1	+0·8	50·9	+0·1
															Skegness	3·8	+ 1·4	42	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	55	4th	33	9th	51·0	38·9	45·0	− 1·1	4	0·98	25	+ 12	Cromer	3·4	+ 0·8	38	•	•	•	•	•	•
	a Little Massingham	280	54	4th	31	9th	50·7	35·9	42·3	− 2·1	4	1·20	31	+ 15	Lit. Massingham	3·3	+ 0·9	37	•	•	•	•	•	•
	a Yarmouth	13	56	5th	34	9th	52·0	39·9	46·0	+ 0·1	3	0·63	16	+ 2	Yarmouth	2·9	—	32	1	30	49·7	+3·9	52·4	+0·9
	a Norwich	93	55	4th	30	9th	50·7	37·7	44·2	− 0·7	5	1·31	33	+ 18	Norwich	3·7	—	41	1	26	46·4	•	•	•
	a Geldeston	37	57	5th	35	4,8	53·1	37·3	45·2	− 0·5	3	0·87	22	+ 8	Geldeston	3·1	+ 0·6	34	•	•	•	•	•	•
	p Cambridge	41	57	5th	29	9th	50·4	35·7	43·1	− 1·8	4	1·04	27	+ 16	Cambridge	3·5	+ 1·0	38	3	24	48·1	+1·9	52·2	+0·7
	a Clacton-on-Sea	54	54	4,5	35	9th	51·6	42·4	47·0	+ 1·0	4	1·46	37	+ 26	Clacton	2·6	− 0·2	30	1	28	49·6	+0·9	52·8	+0·1
	a Rothamsted	424	55	4th	28	9th	49·7	36·3	43·0	− 1·4	4·6	1·27	58	+ 42	Rothamsted	3·5	+ 1·0	38	5	21	47·1	•	•	•
	p Tottenham	51	56	5th	32	9th	51·7	40·3	46·0	—	4	0·95	24	—	Tottenham	2·3	—	25	0	31	•	•	53·0	+0·1
4. MIDLAND COUNTIES.																							
a, North	a Harrogate	479	56	4th	34	4,6,7	48·6	36·0	42·3	− 1·3	6	1·01	26	+ 8	Harrogate	2·8	+ 0·8	31	4	26	45·3	+0·1	48·4	+0·8
	p Sheffield	429	53	5th	32	9th	49·1	36·6	42·9	—	5	0·69	18	—	Sheffield	3·7	+ 1·9	41	3	24	45·6	+0·2	50·1	+0·3
	p Buxton	987	54	5th	24	7th	47·3	34·4	40·9	—	5	0·80	20	− 9	Buxton	3·0	—	33	5	20	42·9	0·0	48·8	−0·1
b, East	a Bawtry	65	57	4th	23	7th	48·7	34·7	41·7	− 2·7	5	0·63	16	+ 4	Worksop	2·9	+ 1·2	32	5	20	45·6	•	49·7	•
	a Nottingham	82	58	4th	27	8th	50·3	32·6	41·5	− 3·1	5	0·80	20	+ 8	Nottingham	2·8	+ 1·2	31	5	26	43·8	−0·3	49·4	0·0
	p Birmingham, Edgbsn.	535	56	5th	33	7th	49·3	36·7	43·0	− 1·8	3	0·82	21	+ 6	Birmingham	3·9	+ 2·4	43	5	16	44·9	−0·5	49·9	0·0
	a Raunds	203	57	4,5	29	7th	51·4	34·3	42·9	− 1·3	5	1·12	28	+ 15	Raunds	4·0	—	44	5	22	49·6	•	52·6	•
	p Oxford	208	56	5th	30	9th	50·4	36·0	43·2	− 2·2	4	0·98	25	+ 10	Oxford	4·1	+ 1·9	45	5	21	•	•	•	•
c, West	a Cheadle (N. Staffs.)	646	55	4th	31	7,9	49·1	34·7	41·9	− 1·7	4	0·59	15	− 3	Cheadle	•	•	•	6	21	•	•	•	•
	p Tenbury	313	57	5th	22	7th	51·0	32·3	41·7	− 2·9	3	0·79	20	+ 6	Tenbury	•	•	•	5	20	46·0	•	•	•
	a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern	4·9	—	54	5	24	46·0	•	51·1	•
	a Clifton	229	59	3rd	31	7th	53·0	37·9	45·5	− 1·0	4	1·00	25	+ 1	Clifton	4·2	—	46	2	28	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	56	4th	26	9th	50·6	32·7	41·7	− 2·0	6	1·35	34	+ 14	Worthing	2·7	− 0·1	29	2	24	49·9	+2·1	53·8	+0·7
	p Salisbury (Wilton)	180	57	5,6	26	9th	53·5	33·1	43·3	− 1·6	3	1·50	38	+ 15	Marlborough	3·4	+ 1·4	37	5	20	47·0	•	52·2	•
	a Wisley, Surrey	150	56	4th	28	9th	50·7	36·9	43·8	− 1·1	4	1·27	32	+ 17	Salisbury	•	•	•	4	23	48·4	•	•	•
	a Tunbridge Wells	354	55	4th	29	9th	51·0	40·1	45·6	+ 0·2	5	1·39	35	+ 13	Wisley	2·8	+ 0·6	31	4	19	47·6	+1·3	51·6	+0·5
	a Margate	51	56	4th	37	9th	53·3	45·0	49·2	+ 2·1	4	1·02	26	+ 10	Tunbridge Wells	2·4	− 0·1	26	3	18	49·8	+3·4	52·7	•
															Margate	1·5	− 0·7	16	0	32	50·8	+3·2	53·7	+2·0
	a Dungeness	21	56	4,9	32	9th	53·7	42·7	48·2	+ 1·0	5	1·38	35	+ 16	Folkestone	2·0	—	22	•	•	•	•	52·0	•
	p St. Leonards	178	56	6th	36	9th	53·1	41·3	47·2	− 0·1	4	1·02	26	+ 5	St. Leonards	2·3	− 0·5	21	1	23	50·0	•	53·6	•
	p Southampton	64	57	5th	29	9th	52·4	37·1	44·8	− 2·1	4	1·41	36	+ 15	Southampton	2·9	+ 0·5	32	4	23	•	•	•	•
	a Ventnor	59	56	4th	37	9th	52·6	43·0	47·8	− 1·3	4	1·00	26	+ 4	Ventnor	2·5	− 0·3	27	•	•	•	•	•	•
LONDON,	p Richmond (Kew Obs.)	18	55	4,5	30	9th	50·2	36·0	43·1	− 2·4	4	1·28	32	+ 17	Richmond	2·6	+ 0·7	29	4	18	47·3	+1·1	51·6	+0·1
	a Westminster	27	57	4th	28	9th	52·0	39·2	45·6	− 1·1	4	1·10	28	+ 14	Westminster	1·9	+ 0·7	21	1	27	•	•	•	•
	ag Greenwich	149	55	4,5	30	9th	50·9	38·7	44·8	− 0·6	4	1·00	25	+ 11	Greenwich	2·7	+ 0·8	30	4	19	•	•	•	•
	a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	—	—	—	—
	ag Camden Square	110	56	4th	29	9th	51·1	38·6	44·9	− 1·2	4	1·14	29	+ 14	Camden Square	1·7	+ 0·3	19	4	26	•	•	•	•
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	55	5th	34	8th	48·7	37·1	42·9	− 1·2	7	0·88	22	− 2	Aspatria	1·7	− 0·3	19	0	31	45·0	0·0	49·0	−0·3
	p Newton Rigg	559	56	5th	31	4,7,8	50·0	34·3	42·2	− 0·4	6	1·40	36	+ 16	Newton Rigg	2·7	+ 1·0	30	7	23	45·8	+0·7	48·8	+0·4
	p Stonyhurst	375	56	4th	32	7th	48·7	36·7	42·7	− 1·6	6	0·76	19	− 7	Stonyhurst	1·9	+ 0·3	21	4	24	•	•	•	•
	p Blackpool	66	55	4th	33	7th	50·6	39·6	45·1	− 0·4	7	0·62	16	− 5	Blackpool	2·6	+ 0·7	29	2	25	48·0	•	51·0	•
	a Southport	37	55	4th	32	7th	50·7	37·9	44·3	− 1·2	5	0·38	10	− 9	Southport	3·0	+ 1·2	34	3	26	44·7	+0·6	50·3	+1·4
															Hoylake	4·0	+ 2·1	44	•	•	•	•	•	•
	a Liverpool (Bidston)	188	56	4th	35	4,7	49·9	38·3	44·1	− 2·0	5	0·25	6	− 10	Liverpool	4·1	—	46	1	30	•	•	•	•
	a Hawarden Bridge	22	57	4th	30	7th	52·4	37·9	45·2	− 1·3	2	0·30	8	− 6	Manchester (City)	1·3	+ 0·6	14	4	26	45·8	+0·5	51·7	+0·2
	p Manchester (Whit. Pk.)	125	—	—	—	—	—	—	—	—	—	—	—	—	Whitworth Park	—	—	—	•	•	•	•	•	•
			54	4	29	7	50·3	36·4	43·4	− 2·1	3	0·42	11	− 5		2·3	+ 1·5	26						
b. NORTH WALES.																							
	p Llandudno	16	60	5th	36	7th	53·1	40·1	46·6	− 1·1	4	0·46	12	− 7	Llandudno	3·5	+ 1·4	39	•	•	•	•	•	•
	a Holyhead	15	54	3,4	41	3,4	52·1	43·1	47·6	− 0·5	3	0·75	19	− 5	Holyhead	3·6	—	40	0	31	•	•	•	•
	a Beddgelert	309	56	4th	31	7th	49·9	37·3	43·6	—	5	1·74	44	—	Aberdovey	—	—	—	•	•	•	•	•	•
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Mean for the Week. Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.			°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																						
a Aberystwyth	59	56	4th	35	7th	51·3	42·4	46·9	—	5	0·58	15	—	Aberystwyth	4·5	+ 2·2	50	•	•	•	•	•
a Rhayader	757	50	4th	24	7th	48·6	31·1	39·9	—	7	1·54	39	—	Rhayader	4·2	—	46	4	13	•	•	•
a St. Ann's Head	149	54	4th	41	8th	51·4	43·4	47·4	- 1·5	5	1·18	30	+ 4	St. Ann's Head	3·9	+ 1·6	43	•	•	•	•	•
p Cardiff	202	55	4th	29	7th	50·9	36·6	43·8	- 1·7	6	2·05	52	+ 24	Cardiff	3·5	—	38	5	22	47·5	+1·3	52·0	+1·9
b. ENGLAND, S.W.																						
a Bath	68	59	4th	26	9th	53·0	32·6	42·8	- 2·9	4	1·03	26	+ 7	Bath	•	•	•	•	•	49·9	+1·6	54·1	+0·7
a Shaftesbury	722	55	4th	24	7, 9	51·0	38·1	44·6	- 0·5	3	0·71	18	- 4	Shaftesbury	•	•	•	•	•	47·7	•	51·8	•
a Arlington	613	56	4th	29	7th	50·7	36·5	43·6	- 2·2	6	1·58	40	+ 1										
a Hartland Quay	100	—	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	57	4th	32	7th	52·7	40·0	46·4	- 3·0	4	0·85	22	- 2	Newquay	5·4	+ 2·8	58	2	28	50·1	•	53·7	•
a Cullompton	202	57	4th	25	7th	52·9	33·6	43·3	- 2·6	5	0·80	20	- 4	Cullompton	4·2	+ 2·1	45	5	21	48·4	•	•	•
a Portland Bill	19	55	4th	41	7th	53·0	46·4	49·7	+ 0·2	5	1·10	28	+ 9	Weymouth	4·1	—	44	•	•	•	•	•	•
p Plymouth	116	56	4, 5	31	7th	54·0	36·1	45·1	- 3·3	5	1·21	31	+ 7	Plymouth	4·3	+ 1·9	46	3	27	48·2	- 0·4	53·1	•
a Falmouth	167	56	4th	34	7th	53·3	39·3	46·3	- 2·8	4	1·14	29	- 3	Falmouth	5·4	+ 2·8	58	4	24	50·9	•	54·7	•
9. IRELAND, N.																						
a West { *a* Malin Head	208	51	9th	38	4th	48·1	40·1	44·1	- 2·4	6	1·57	40	+ 19	Malin Head	3·0	—	34	•	•	•	•	•	•
a West { *a* Blacksod Point	327	52	6th	35	8th	48·9	39·6	44·3	- 3·0	7	2·48	63	+ 30	Markree Castle	3·7	+ 1·7	42	5	23	46·5	- 0·3	50·7	- 0·6
a West { *p* Markree Castle	122	53	9th	30	6th	50·1	34·7	42·4	- 2·1	7	2·22	56	+ 29										
b. East { *p* Armagh	196	53	4th	33	8th	49·4	35·7	42·6	- 1·9	7	2·00	51	+ 33	Armagh	4·6	+ 2·5	52	2	28	46·2	+1·9	49·9	- 0·4
b. East { *a* Donaghadee	101	54	4th	35	4, 6, 7	49·7	36·9	43·3	- 2·8	5	1·54	39	+ 20										
10. IRELAND, S.																						
p Dublin, City	47	56	4, 5	36	6th	51·3	39·3	45·3	- 1·6	4	0·49	12	- 6	Trinity Coll.	•	•	•	5	24	47·5	+0·6	50·7	+0·2
a Birr Castle	175	53	4th	33	3, 4	49·7	35·6	42·7	- 1·8	6	1·18	30	+ 9	Phœnix Park	4·7	+ 2·3	52	5	22	•	•	•	•
a Kilkenny	212	56	4th	28	6th	51·0	32·9	42·0	- 3·1	5	0·68	17	- 4	Dublin City	•	•	•	0	32	•	•	•	•
a Waterford	120	57	3rd	31	3rd	51·9	36·4	44·2	- 2·4	5	1·02	26	0	Birr Castle	3·8	+ 1·7	42	4	27	•	•	•	•
p Seskin, Carrick-on-Suir	541	56	4th	33	3rd	50·7	36·4	43·6	—	7	1·76	45	—	Seskin	4·9	—	54	2	24	•	•	•	•
a Cahir	199	55	4th	27	3rd	50·9	31·7	41·3	- 4·0	5	0·61	15											
a Foynes	50	54	7th	38	3rd	51·1	39·3	45·2	- 1·4	6	0·89	23	- 4										
a Cahirciveen (Val. Obs.)	30	55	4th	35	3, 4	51·9	40·0	46·0	- 2·8	7	2·17	55	+ 17	Cahirciveen	3·6	+ 1·4	40	0	32	•	•	•	•
a Killarney	174	56	4th	34	3rd	52·7	37·8	45·3	- 1·9	7	1·89	48	+ 10	Ballinacurra	4·4	+ 2·3	48	•	•	•	•	•	•
a Roche's Point	32	54	4th	35	6th	51·6	38·7	45·2	- 3·2	6	0·92	23	- 6										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's	131	56	4th	43	7th	53·0	45·6	49·3	- 0·9	4	0·59	15	- 9	Scilly	5·5	+ 2·8	59	•	•	•	•	•	•
a Jersey, St. Aubins	25	57	4, 5	35	9th	54·6	45·0	49·8	- 0·6	6	1·11	28	- 2	St. Heliers	3·0	+ 0·2	32	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	59	7th	37	9th	55·0	45·4	50·2	- 0·2	6	1·11	28	- 3	Guernsey†	2·9	+ 0·4	31	0	37	51·7	+0·9	55·0	+0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 9th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	2, 5, 7, 8	37	2 to 8	52	52	25	2	0	146	25	8	10	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	8	5	39	81	42	2	157	12	8	6	23	8	4	50
Aberdeen	153	105	52	5	1	5, 8	10	77	49	31	0	293	19	5	6	29	5	6	15
Edinburgh	485	39	31	5, 8	3	4, 5, 7 to 9	35	95	28	7	0	169	18	8	2	34	8	1	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	5, 8	4	4, 5, 7 to 9	23	71	38	32	0	210	18	5	2	32	8	1	15
Paisley	188	81	15	8	1	5, 7, 8	6	77	67	17	0	169	17	8	2	30	5	2	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	—	5, 8	4	47	78	39	0	281	13	5	6	25	8	15	0
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.)	73	60	10	—	—	3 to 5	3	37	110	18	0	45	12	3	14	—	—	—	—
Gorleston	52	42	‡	—	—	Clock being cleaned.		—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	5	1	4, 5, 8	17	42	101	7	0	180	18	5	2	22	5	2	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	4, 5	14	23	61	70	0	202	14	4	23	21	4	22	55
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	4, 5	12	35	94	27	0	—	13	5	1	23	5	3	10
Brighton	261	53	6	—	—			—	—	—	—	—	15	4	23	24	4	21	55
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of order.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	4	3	4, 5, 8	19	53	91	2	0	202	18	4	22	24	4	21	40
Richmond (Kew Obs.)	82	66	22	—	—	5	1	23	66	78	0	191	11	5	1	20	5	2	35
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	5	2	52	80	34	0	236	12	5	3	19	5	4	5
Fleetwood (Cup Anr.)	109	44	1	5	4	4, 5, 7, 8	31	84	38	9	2	214	10	5	2	—	—	—	—
Southport	80	63	48	5	5	4, 5, 7 to 9	56	63	42	2	0	259	22	5	3	30	5	2	45
Holyhead	60	40	‡	5, 7, 8	7	4, 5, 7 to 9	44	73	44	0	0	247	19	5	1	29	7	23	15
8. ENGLAND, S.W.,																			
Pendennis Castle§	256	65	24	4, 7, 8	18	4, 5, 7, 8	17	38	63	32	0	203	23	4	21	30	4	21	40
Plymouth	185	88	2	—	—	4, 7, 8	28	12	55	73	0	—	17	8	4	24	8	5	0
Lyme Regis	556	61	‡	—	—	4, 5, 8	21	36	68	43	0	—	16	4	21	22	4	20	25
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	4, 5, 7, 8	7	4, 5, 7, 8	31	60	53	1	16	269	20	5	1	—	—	—	—
Quilty	100	40	‡	4	6	4 to 7, 9	37	91	29	2	0	—	19	4	21	27	4	18	35
Cahirciveen (Val. Obs.)	98	41	‡	7	5	4, 7, 8	16	98	42	7	0	185	20	7	20	32	7	19	50
Weaver Pt.	160	30	‡	7	8	4, 7	22	58	80	0	0	—	24	7	21	33	7	22	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	4, 5, 7 to 9	30	70	61	7	0	270	16	4	24	23	4	23	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.B.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1918—November 3rd to November 9th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	28	81·3	75·8	78·6	− 0·7	22	− 1	14	+ 1	6	+ 1	3·40	86	+ 53	2·0	+0·5	23	998
Eastern.																			
1. SCOTLAND, EAST ...	54	23	81·4	75·1	78·3	− 0·7	15	− 8	26	+ 9	5	0	1·16	29	+ 9	3·1	+1·1	36	1003
2. ENGLAND, N.E.	57	26	82·8	75·8	79·3	− 0·8	30	+ 1	14	+ 4	4	0	0·69	17	+ 3	3·4	+1·3	38	1010
3. ENGLAND, EAST ...	57	28	83·6	76·5	80·0	− 0·4	34	0	10	0	4	0	1·19	30	+ 14	3·2	+0·7	35	1014
4. MIDLAND COUNTIES ...	59	22	83·1	74·7	78·9	− 1·0	34	+ 3	20	+ 7	4	0	0·86	22	+ 5	3·5	+1·6	39	1014
5. ENGLAND, S.E.	57	26	84·2	76·8	80·5	− 0·4	38	− 3	9	+ 2	4	0	1·26	32	+ 11	2·5	+0·1	28	1015
Western.																			
6. SCOTLAND, WEST ...	54	30	82·4	76·4	79·4	− 0·7	28	− 1	11	+ 2	6	+ 1	2·41	61	+ 27	3·1	+1·5	36	1007
7. ENGLAND, N.W.	60	30	83·4	76·5	79·9	− 0·7	33	0	10	+ 3	5	0	0·66	17	− 6	2·8	+1·0	31	1011
8. ENGLAND, S.W.	59	24	84·1	76·0	80·1	− 1·3	38	− 5	13	+ 8	5	0	1·23	31	+ 3	4·6	+2·3	50	1013
9. IRELAND, NORTH ...	54	30	82·6	75·8	79·2	− 1·2	29	− 3	14	+ 5	6	+ 1	1·83	46	+ 21	4·2	+2·1	47	1004
10. IRELAND, SOUTH ...	56	27	83·7	75·7	79·8	− 1·4	37	− 5	14	+ 7	6	+ 1	1·09	28	+ 1	4·1	+1·9	46	1010
11. ENGLISH CHANNEL ...	59	35	85·3	80·4	82·9	− 0·6	55	− 8	0	0	5	0	0·94	24	− 4	3·8	+1·2	41	1015

THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, September 1st to November 9th, 1918.

0. SCOTLAND, NORTH ...	64	25	83·9	77·9	80·8	− 1·1	338	−150	39	− 12	56	+ 8	16·55	420	+154	2·8	+0·1	26	1003
Eastern.																			
1. SCOTLAND, EAST ...	68	22	84·6	77·5	81·0	− 1·0	373	−142	61	− 5	52	+12	9·36	236	+ 69	3·2	0·0	29	1005
2. ENGLAND, N.E.	72	26	86·2	79·7	82·9	− 0·3	569	− 50	18	− 12	46	+10	7·33	186	+ 49	3·4	−0·1	31	1008
3. ENGLAND, EAST ...	74	28	87·1	80·2	83·5	− 0·4	653	− 57	18	− 13	46	+11	7·99	203	+ 70	3·5	−0·4	31	1011
4. MIDLAND COUNTIES ...	70	22	86·5	79·5	82·9	− 0·3	598	− 46	33	− 15	49	+14	9·18	232	+ 87	3·3	−0·1	29	1011
5. ENGLAND, S.E.	72	26	87·7	80·9	84·2	− 0·3	737	− 41	18	− 4	47	+12	9·60	244	+ 74	3·9	−0·2	35	1012
Western.																			
6. SCOTLAND, WEST ...	69	27	85·4	78·9	82·1	− 0·7	476	−105	23	− 13	57	+17	16·66	424	+170	3·1	−0·1	28	1007
7. ENGLAND, N.W.	74	29	86·0	80·4	83·1	− 0·5	590	− 62	13	− 8	54	+14	12·74	324	+126	3·1	−0·2	28	1009
8. ENGLAND, S.W.	72	24	86·7	80·9	83·7	− 0·6	673	− 70	17	+ 1	57	+16	12·67	324	+100	3·6	−0·2	32	1012
9. IRELAND, NORTH ...	68	25	85·4	79·1	82·1	− 1·1	477	−137	20	− 7	60	+16	12·88	326	+125	3·1	−0·1	28	1006
10. IRELAND, SOUTH ...	72	27	86·3	79·7	82·9	− 1·0	590	−112	26	+ 4	56	+15	13·27	339	+133	3·4	−0·2	31	1010
11. ENGLISH CHANNEL ...	74	35	88·1	83·4	85·7	− 0·4	899	− 55	0	0	55	+13	9·97	253	+ 50	4·3	−0·3	39	1013

THE YEAR 1918.—Aggregates, &c., for the Period of 45 Weeks, December 30th, 1917, to November 9th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·1	78·0	80·9	− 0·2	1898	−132	553	− 37	212	+ 3	48·71	1234	+176	3·3	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	85·0	77·5	81·1	− 0·2	2105	−148	678	− 5	185	+ 7	27·72	702	+ 34	3·8	−0·2	30	1012
2. ENGLAND, N.E.	84	9	86·2	79·1	82·5	+ 0·3	2693	+ 97	412	− 90	160	0	21·47	544	+ 5	4·3	−0·1	33	1014
3. ENGLAND, EAST ...	92	14	87·0	79·2	82·9	0·0	2942	− 42	429	− 96	153	− 2	23·30	593	+ 31	4·7	−0·1	37	1015
4. MIDLAND COUNTIES ...	89	12	87·2	79·0	82·9	+ 0·3	2943	+ 63	435	−135	158	+ 4	25·12	638	+ 64	4·2	0·0	33	1015
5. ENGLAND, S.E.	90	15	87·4	79·8	83·4	0·0	3152	− 37	371	− 30	152	+ 1	26·48	672	+ 93	5·0	0·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·7	78·8	82·1	0·0	2472	− 12	397	− 55	197	+12	42·02	1094	+110	4·0	−0·1	31	1013
7. ENGLAND, N.W.	84	12	86·2	79·8	82·9	+ 0·3	2787	+ 73	293	−110	174	+ 4	32·44	826	+ 78	4·3	0·0	34	1014
8. ENGLAND, S.W.	82	16	86·8	80·1	83·4	+ 0·1	2993	− 20	273	− 44	171	+ 1	33·65	859	+ 49	4·9	+0·2	38	1016
9. IRELAND, NORTH ...	80	18	85·9	79·4	82·5	0·0	2575	− 11	297	− 70	205	+ 2	33·38	848	+ 33	3·8	−0·1	30	1012
10. IRELAND, SOUTH ...	84	19	87·0	80·0	83·4	+ 0·1	3004	+ 22	243	− 39	194	+13	37·06	942	+ 99	4·4	+0·1	34	1015
11. ENGLISH CHANNEL ...	85	26	87·5	81·9	84·6	0·0	3523	− 21	91	− 14	169	− 6	25·02	637	− 37	5·9	+0·2	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: November 14th, 1918.

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THE FORTY-SIXTH WEEK OF 1918.

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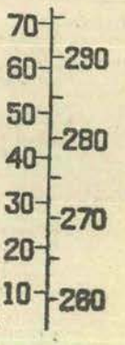
I.—GENERAL SUMMARY. [First published in 1878.]

At quite the beginning of the period the conditions were unsettled and rainy, with rather high temperature, but the week as a whole was fair, dry and cool, with light breezes and much haze or fog. The mean temperature for the week was below the normal in all except the Irish Districts, the deficit being about 1 a. The highest day temperatures occurred almost invariably on the 10th, and the lowest on the 16th, on which date the thermometer in most of the inland parts of Great Britain failed to reach 277 a., and at Tenbury and Malvern it did not exceed 276 a. Frost occurred on several mornings in succession, screen minima of 273 a. being registered in all districts except Ireland South and the English Channel; the lowest readings were 266 a. at West Linton (Pentland Hills), 267 a. at Bawtry (Rotherham) and Raunds (Northants), and 269 a. at Wisley (Surrey). The lowest readings on the grass were 263 a. at Raunds, 264 a. at Crathes and West Linton, 265 a. at Ford (Argyll), Birmingham, Worksop, Blackpool and Rhayader (Radnor). There was a steady fall of temperature at a depth of one foot in the ground in most places. A large proportion of the rain fell on the first day, when Beddgelert recorded 54mm., this being the only large measurement reported. Sunshine was abundant in all Districts. The average duration recorded by the Campbell-Stokes instrument was 5·7 hr. per day in the Channel Islands and 4·9 hr. at Worthing. Solar halos were seen at Oxford on the 10th and 12th, and displays of Aurora Borealis in various parts of Scotland on the 10th and 11th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	20	4·9	7	5·9	6	3·9	14	1·9	15	3·6	22	3·3	20	5·8	23	4·2
North	4	3·7	4	1·8	20	2·4	2	1·0	4	4·2	0	—	3	2·1	4	1·1
West	17	4·3	17	4·3	8	2·1	6	3·4	8	5·0	10	4·1	10	3·7	5	3·5
East	7	2·6	1	1·4	18	4·1	11	3·6	13	2·5	13	9·2	12	2·7	22	3·8
Calm	3	—	10	—	3	—	11	—	5	—	0	—	2	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Very light	Light	Very light	Light	Light	Light	Light	Very light	Light	Very light
	Sunshine ...	Abundant	Very abundant	Abundant	Abundant	Abundant	Very abundant	Moderate	Very abundant	Abundant	Abundant	Moderate	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 11 weeks from Sept. 1st, 1918.	Warmth ...	0, 5, 6	1, 5, 5	2, 5, 4	2, 6, 3	1, 7, 3	2, 5, 4	1, 4, 6	1, 5, 5	1, 6, 4	0, 6, 5	0, 6, 5	2, 5, 4
	Rainfall ...	5, 3, 3	6, 3, 2	3, 5, 3	6, 1, 4	5, 2, 4	5, 3, 3	7, 1, 3	6, 3, 2	4, 4, 3	7, 1, 3	6, 2, 3	3, 7, 1
	Sunshine ...	5, 4, 2	5, 4, 2	3, 6, 2	3, 3, 5	3, 4, 4	2, 6, 3	2, 5, 4	4, 4, 3	3, 5, 3	5, 3, 3	3, 4, 4	3, 5 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(20446—19.) Wt. 199—789. 600. 11/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands	a Lerwick	54	47	10, 13–15	31	12th	45·0	37·0	41·0	− 1·3	5	0·22	6	− 17								
	p Deerness	160	49	10, 14, 15	34	11th	46·6	38·7	42·7	—	1	0·16	4	− 17	Deerness	1·7	+ 0·5	22	•	•	•	•	•	•
	a Stornoway	51	51	10, 15	35	13th	48·6	39·3	44·0	+ 1·5	3	0·47	12	− 19	Stornoway	2·0	+ 0·6	25	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	51	10, 13	38	12th	49·4	43·6	46·5	—	1	0·04	1	—	Castlebay	0·6	—	8	•	•	•	•	•	•
b, Mainland	a Wick	81	50	10, 14	32	13th	47·4	36·0	41·7	0·0	2	0·13	3	− 14	Fort Augustus	—	—	—	•	•	•	•	•	•
	p Glencarron	500	50	— 18	30	16 —	45 — 4	32 — 9	39 — 2	— 1·5	— 3	0·6 /	15 —	— 35										
	a Fort Augustus	68	52	10, 14	26	12th	47·6	32·0	39·8	− 1·7	1	0·21	5	− 19										
	p Fort William	171	52	10th	26	12th	46·1	32·4	39·2	− 3·1	2	0·80	20	− 22										
1. SCOTLAND, E.																								
	a Nairn	82	53	10th	28	13th	45·7	32·7	39·2	− 1·3	2	0·17	4	− 10	Nairn	3·6	—	46	•	•	•	•	•	•
	p Gordon Castle	101	55	10th	29	16th	49·3	35·3	42·3	+ 0·8	1	0·05	1	− 15	Gordon Castle	3·6	—	46	•	•	•	•	•	•
	a Aberdeen	46	53	10th	28	13, 14	46·9	34·6	40·8	− 0·6	0	0·00	0	− 17	Aberdeen	2·7	+ 0·9	34	3	18	•	•	46·5	+0·3
	a Balmoral	930	50	10th	21	12th	43·6	27·1	35·4	− 2·3	3	0·05	1	− 20	Balmoral	•	•	•	6	18	•	•	•	•
	p Crieff	432	53	10th	27	12th	45·4	31·6	38·5	− 2·2	2	0·21	5	− 20	Crathes	2·8	+ 1·0	35	6	16	40·2	−1·4	46·0	0·0
	a Dundee	244	53	10, 16	26	12, 13	48·0	30·6	39·3	− 1·3	1	0·03	1	− 13	Dundee	2·4	—	30	7	17	42·7	•	•	•
	a Leith	30	54	10th	30	12, 13	45·3	35·1	40·2	− 2·4	3	0·19	5	− 6	Leith	—	—	—	3	25	•	•	•	•
	p Edinburgh	441	52	10th	31	15th	46·6	36·3	41·5	0·0	1	0·17	4	− 8	Edinburgh	3·3	+ 1·3	41	4	24	•	•	•	•
	a West Linton	769	50	10th	20	12th	44·9	28·9	36·9	− 0·3	2	0·41	10	—	West Linton	3·7	—	46	6	15	•	•	•	•
	p Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—	Marchmont	—	—	—	•	•	•	•	•	•
6. a, SCOTLAND, W.																								
	a Ford (Argyll)	149	52	10th	28	12th	46·9	36·3	41·6	—	3	0·81	21	—	Ford (Argyll)	•	•	•	4	18	43·3	•	47·3	•
	p Glasgow Observatory	180	52	10th	30	12, 16	44·0	34·6	39·3	− 2·5	3	0·37	9	− 9	Glasgow	1·1	+ 0·1	14	4	20	•	•	•	•
	p Rothesay	200	51	10th	33	12th	47·1	37·9	42·5	− 0·3	4	0·33	8	− 17	Rothesay	3·5	—	43	2	26	42·7	•	47·4	+0·1
	a Kilmarnock	90	52	10th	26	15th	49·4	33·9	41·7	+ 0·9	2	0·43	11	− 8	Kilmarnock	4·0	—	49	•	•	42·6	•	47·6	•
	a Colmonell	170	50	11th	28	12th	47·3	37·7	42·5	0·0	2	0·39	10	− 14	Colmonell	•	•	•	2	25	•	•	•	•
	p Cally, Gatehouse	120	52	10th	28	12th	48·0	34·0	41·0	− 0·4	1	0·29	7	− 18	Dumfries	3·3	—	40	5	18	42·5	+1·0	47·6	+0·6
	p Dumfries	160	53	10th	28	12, 13, 15	47·6	32·4	40·0	− 1·5	1	0·51	13	− 4	Eskdalemuir	3·7	—	45	4	16	•	•	•	•
	a Eskdalemuir	794	50	10th	21	13th	44·1	29·7	36·9	—	2	1·24	32	—										
b, I. OF MAN	p Douglas	277	52	10, 11	37	11th	49·1	41·7	45·4	+ 1·2	1	0·22	6	− 17	Douglas	2·5	+ 0·3	30	0	31	•	•	•	•
2. ENGLAND, N.E.																								
a North	a Alnwick Castle	210	54	10th	26	13th	48·3	34·1	41·2	− 0·8	1	0·04	1	− 18										
	a Tynemouth	71	56	10th	31	13, 14	48·1	36·3	42·2	− 0·6	1	0·04	1	− 12	Cockle Park	2·6	+ 0·4	31	4	23	40·2	+0·3	45·4	+0·2
	p Durham	336	55	11th	25	12th	49·1	30·7	39·9	− 1·6	1	0·01	0·2	− 14	Durham	2·8	+ 0·9	34	5	14	•	•	•	•
	p Rounton	249	52 4	10th	28	12, 13	46·6 7	31·7	38·9	9·2 − 2·5	3	0·05	1	− 13	Rounton	•	•	•	6	19	42·4	•	•	•
	a West Witton	605	55	10th	26	15th	45·3	31·9	38·6	—	1	0·12	3	—	West Witton	•	•	•	5	22	40·6	•	46·5	•
	p Scarborough	100	52	10, 11, 15	39	13th	50·4	43·4	46·9	+ 3·3	0	0·00	0	− 15	Scarborough†	2·9	+ 1·2	35	•	•	•	•	50 0	•
	p York	56	53	11th	26	13th	45·1	33·0	39·1	− 3·4	1	0·02	1	− 12	York	1·2	− 0·2	14	•	•	43·9	−0·9	49 0	− 0·2
b, South	a Spurn Head	26	50	10th	36	13th	47·7	39·4	43·6	− 0·4	1	0·04	1	− 11	Spurn Head	3·7	—	43	•	•	•	•	•	•
	a Lincoln	58	52	10th	27	14th	47·6	32·7	40·2	− 2·0	0	0·00	0	− 12	Lincoln	•	•	•	5	24	42·4	−0·1	49·4	+0·4
	a Fulbeck	180	52	10th	27	12, 14	47·4	34·4	40·9	− 1·4	0	0·01	0·3	− 12	Rauceby	2·9	+ 0·9	34	•	•	42·5	−0·7	49·6	+0·1
															Skegness	4·0	+ 1·7	47	•	•	•	•	•	•
3. ENGLAND, E.																								
	p Cromer	196	52	10, 11	37	14th	49·0	39·4	44·2	+ 0·3	1	0·04	1	− 13	Cromer	3·7	+ 1·6	43	•	•	•	•	•	•
	a Little Massingham	280	51	10, 11	30	16th	47·7	34·6	41·2	− 1·0	3	0·05	1	− 16	Lit. Massingham	4·0	+ 2·1	47	•	•	•	•	•	•
	a Yarmouth	13	54	10th	34	13th	50·0	37·7	43·9	+ 0·2	2	0·07	2	− 13	Yarmouth	4·2	—	48	2	30	46·4	+2·8	51·4	+1·6
	a Norwich	93	53	10th	27	13th	47·6	34·1	40·9	− 1·8	3	0·13	3	− 14	Norwich	3·7	—	43	5	25	41·4	•	•	•
	a Geldeston	37	55	10th	26	13th	50·6	34·1	42·4	− 1·0	2	0·06	2	− 13	Geldeston	4·2	+ 2·0	48	•	•	•	•	•	•
	p Cambridge	41	55	10th	24	13th	49·6	32·3	41·0	− 1·7	2	0·02	1	− 11	Cambridge	3·5	+ 1·3	40	5	21	43·7	−0·3	50·3	+0·3
	a Clacton-on-Sea	54	53	10th	37	10th	49·0	39 9	44·5	+ 0·8	2	0·07	2	− 10	Clacton	2·5	+ 0·1	29	0	33	46·6	−0·1	51·5	+0·4
	a Rothamsted	424	54	11th	27	14th	47·6	33·9	40·8	− 1·5	4	0·06	2	− 15	Rothamsted	3·9	+ 1·6	45	6	19	43·5	•	•	•
	p Tottenham	51	54	11th	30	14th	49·3	35·6	42·5	—	2	0·08	2	—	Tottenham	2·2	—	25	4	26	•	•	51·3	0·0
4. MIDLAND COUNTIES.																								
a North	a Harrogate	479	51	10th	28	15th	45·4	33·7	39·6	− 1·7	1	0·06	1	− 13	Harrogate	2·7	+ 0·7	32	5	23	42·4	−1·0	46·3	0·0
	p Sheffield	429	52	10, 11	31	12th	46·4	35·4	40·9	—	1	0·11	3	—	Sheffield	1·7	− 0·1	20	5	24	41·9	−1·7	48·8	+0·1
	p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East	a Bawtry	65	53	10th	22	16th	45·9	28·6	37·3	− 4·7	0	0·00	0	− 9	Worksop	2·7	+ 1·0	31	5	18	41·9	•	47·5	•
	a Nottingham	82	53	10, 11	24	13, 14	46·9	30·3	38·6	− 3·6	2	0·02	1	− 8	Nottingham	2·7	+ 1·2	31	5	22	40·4	−1·4	47·1	−0·6
	p Birmingham, Edgbsn.	535	52	11th	32	14th	46 7	36 0	41·4	196 − 1·0	1	0·02	0·4	− 12	Birmingham	3·1	+ 1·7	36	5	18	42·8	−1·0	49·1	0·0
	a Raunds	203	54	10th	22	14th	49·1	31·0	40·1	− 1·4	0	0·00	0	− 10	Raunds	3·8	—	44	6	14	45·9	•	51·9	•
	p Oxford	208	54	10, 11	25	14th	48·7	33·0	40·9	− 2·0	1	0·07	2	− 9	Oxford	4·8	+ 2·6	56	5	19	•	•	•	•
c, West	a Cheadle (N. Staffs.)	646	50	10th	30	12, 13	44·9	34·0	39·5	− 1·7	1	0·08	2	− 13	Cheadle	•	•	•	5	21	•	•	•	•
	p Tenbury	313	53	11th	23	14th	46·6	31·3	39·0	− 3·3	1	0·07	2	− 9	Tenbury	•	•	•	5	21	42·6	•	•	•
	a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern	4·2	—	48	5	23	42·7	•	49·0	•
	a Clifton	229	54	10, 11	33	13, 14, 16	48·4	38·1	43·3	− 0·8	1	0·09	2	− 16	Clifton	3·0	—	34	3	29	•	•	•	•
5. ENGLAND, S.E.																								
	a Marlborough	424	52	11th	25	13th	47·6	33·0	40·3	− 1·7	2	0·11	3	− 13	Worthing	4·9	+ 2·1	56	1	29	46·6	+1·4	52·4	+0·8
	p Salisbury (Wilton)	180	55	11th	28	16th	50·4	34·1	42·3	− 0·6	2	0·08	2	− 16	Marlborough	3·9	+ 2·0	45	4	19	43·8	•	50·9	•
	a Wisley, Surrey	160	52	10, 11	24	14th	48·6	32·9	40·8	− 2·4	2	0·11	3	− 8	Salisbury	•	•	•	4	22	45·1	•	•	•
	a Tunbridge Wells	354	54	10th	32	14, 16	49·6	37·7	43·7	+ 0·1	1	0·08	2	− 16	Wisley	3·8	+ 1·7	43	6	17	43·7	−0·5	49·9	−1·2
	a Margate	51	56	10th	38	16th	50·0	42·7	46·4	+ 1·1	3	0·10	3	− 9	Tunbridge Wells	4·4	+ 1·9	50	6	24	47·4	+4·2	51·4	•
															Margate	2·6	+ 0·5	30	0	32	48·1	+2·2	52·4	+2·3
	a Dungeness	21	54	10, 11	30	10th	50·9	41·7	46·3	+ 0·8	1	0·08	2	− 12	Folkestone	4·2	—	47	•	•	•	•	51·7	•
	p St. Leonards	178	55	10th	35	16th	50·3	42·3	46·3	+ 0·7	1	0·06	2	− 14	St. Leonards	4 — 3	4 — 9	35 —	0	31	47·0	•	52·4	•
	p Southampton	64	56	11th	31	16th	50·6	39·1	44·9	− 0·3	2	0·04	1	− 15	Southampton	4·1	+ 1·7	46	3	25	•	•	•	•
	a Ventnor	59	55	11th	39	16th	51·1	46·1	48·6	+ 1·2	1	0·05	1	− 16	Ventnor	4·2	+ 1·4	47	•	•	•	•	•	•
LONDON.	p Richmond (Kew Obs.)	18	53	11th	27	14, 15	48·5	31·6	40·1	− 3·7	2	0·18	5	− 6	Richmond	2·3 5	+ 0·4	23	6	20	42·8	−1·2	50·0	−0 2
	a Westminster	27	54	10, 11	32	10th	50·0	37·2	43·6	− 1·4	2	0·13	3	− 8	Westminster	1·2	+ 0·1 4	14	2	28	•	•	•	•
	ag Greenwich	149	54	10, 11	30	14th	50·0	35·4	42·7	− 1·8	2	0·17	•	− 9	Greenwich	3·7	+ 2·1	43	6	20	•	•	•	•
	a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	•	•	•	•
	ag Camden Square	110	54	11th	30	14th	48·9	35·7	42·3	− 2·0	2	0·10	3	− 9	Camden Square	1·2	− 0·1	14	6	25	•	•	•	•
7. a, ENGLAND, N.W.																								
	p Aspatria (Mealsgate)	487	50	10, 11	32	12, 16	47·4	36·7	42·1	+ 0·4	1	0·63	16	− 5	Aspatria	4·4	+ 2·2	53	4	25	42·6	−0·5	47·5	− 0 9
	p Newton Rigg	559	52	10th	25	12th	46·7 7	30·9	38·8 9	− 1·2 1	1	0·53	13	− 3	Newton Rigg	3·8	+ 1 9	46	6	18	42·5	−0·5	47·2	+0·1
	p Stonyhurst	375	51	10th	30	14th	44·9	35·0	40·0	− 1·9	1	0 72	18	− 5	Stonyhurst	1·9	+ 0·2	22	5	24	•	•	•	•
	p Blackpool	66	52	10th	32	12, 13	46·1	36·9	41·5	− 1·6	1	0·16	4	− 13	Blackpool	2·1	0·0	24	5	17	45·5	•	50·2	•
	a Southport	37	53	10th	30	12th	46·1	35·2	40·7	− 2·3	1	0·22	6	− 10	Southport	2·1	+ 0·1	24	5	22	40·9	−0·9	48·2	+0·8
															Hoylake	2·9	+ 0·8	34	•	•	•	•	•	•
	a Liverpool (Bidston)	188	54	10th	34	14th	46·1	37·7	41·9	− 1·8	1	0·16	4	− 9	Liverpool	2·9	—	34	5	29	•	•	•	•
	a Hawarden Bridge	22	55	10th	29	12th	46·9	32·9	39·9	− 4·2	1	0·08	2	− 9	Manchester (City)	0·5	− 0·1	6	5	24	43·3	+0·4	50·4	+0·4
	p Manchester (Whit. Pk.)	125	52 4	10, 11	33 29	14th 3	47·6 8·7	37·9 3·7	42·8 1·7	− 0·1 1·7	1 5	0·19	5 4	− 8 9	Whitworth Park	2·0	+ 1·3	23						
b, NORTH WALES.																								
	p Llandudno	16	56	10th	33	12, 16	49·7	38·6	44·2	− 1·2	1	0·33	8	− 7	Llandudno	3·9	+ 1·6	45	•	•	•	•	•	•
	a Holyhead	15	53	10, 15	36	14, 15	51·0	40·4	45·7	− 0·2	1	0·28	7	− 14	Holyhead	4·2	+ 1·7	49	4	25	•	•	•	•
	a Beddgelert	309	52	10th	28	14th	47·4	35·1	41·3	—	1	2·11	54	—	Aberdovey	—	—	—	•	•	•	•	•	•
	a Aberdovey	23	—	—	—	—	—	—	—	—	—	—	—	—											

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																							
a Aberystwyth	59	53	14th	33	14th	49·7	39·7	44·7	—	1	0·42	11	—	Aberystwyth ..	4·1	+ 1·6	47	•	•	•	•	•	•
a Rhayader	757	56	10th	25	14th	47·0	35·1	41·1	—	4	0·41	11	—	Rhayader ..	3·5	—	40	5	17	•	•	•	•
a St. Ann's Head	149	53	11th	40	16th	49·0	45·4	47·2	+ 0·2	2	0·24	6	- 14	St. Ann's Head	3·2	+ 0·8	37	•	•	•	•	•	•
p Cardiff	202	53	11th	32	16th	47·3	38·4	42·9	- 0·3	2	0·16	4	- 17	Cardiff	3·4	—	39	3	27	45·6	+1·6	50·7	+0·6
b. ENGLAND, S.W.																							
a Bath	66	54	10, 11	28	13th	49·0	36·0	42·5	- 0·9	2	0·05	1	- 13	Bath	•	•	•	•	•	47·4	+1·0	52·3	+0·5
a Shaftesbury	722	52	11th	30	16th	46·9	37·9	42·4	- 0·4	1	0·09	2	- 15	Shaftesbury ..	•	•	•	•	•	45·1	•	50·5	•
a Arlington	613	51	10, 11, 14	33	16th	46·7	39·5	43·1	- 0·6	2	0·25	6	- 23										
a Hartland Quay ..	100	54	10, 14	38	16th	50·7	43·6	47·2	—	3	0·20	5	—										
a Newquay	190	54	11th	39	16th	51·1	43·1	47·1	- 0·4	1	0·07	2	- 17	Newquay ..	3·5	+ 0·7	39	0	31	49·0	•	52·6	•
a Cullompton	202	54	11th	31	10th	48·9	36·9	42·9	- 0·9	2	0·07	2	- 15	Cullompton ..	1·9	- 0·3	21	5	24	45·8	•	•	•
a Portland Bill	19	54	11th	40	16th	50·9	46·7	48·8	+ 1·3	1	0·08	2	- 11	Weymouth ..	3·3	—	37	•	•	•	•	•	•
p Plymouth	116	55	10th	38	16th	52·3	44·1	48·2	+ 1·8	3	0·07	2	- 17	Plymouth ..	3·9	+ 1·3	44	0	32	46·4	−0·3	51·8	•
a Falmouth	167	55	10th	40	10th	52·0	46·0	49·0	+ 1·7	2	0·04	1	- 24	Falmouth ..	3·3	+ 0·5	37	0	34	50·2	•	52·9	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	50	10, 13	38	10, 13	48·1	40·3	44·2	- 0·4	1	0·20	5	- 13	Malin Head ..	2·6	—	32	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	52	10, 11, 13	38	12, 13	49·7	40·9	45·3	- 0·2	1	0·28	7	- 22	Markree Castle	2·7	+ 0·5	32	3	21	46·1	+0·8	49·6	-1·2
{ *p* Markree Castle ..	122	54	10th	26	12th	49·9	36·7	43·3	+ 0·8	2	0·15	4	- 20										
b, East .. { *p* Armagh	196	58	13th	28	12, 16	50·0	36·4	43·2	+ 0·6	1	0·10	3	- 13	Armagh	3·1	+ 0·8	37	3	22	45·0	+0·7	48·7	-0·4
{ *a* Donaghadee	101	53	13th	40	12th	49·6	41·9	45·8	+ 1·6	2	0·17	4	- 13										
10. IRELAND, S.																							
p Dublin, City	47	54	10th	38	12, 16	50·3	41·9	46·1	+ 1·1	1	0·08	2	- 14	Trinity Coll. ..	•	•	•	4	26	46·5	+1·3	49·5	+0·3
a Birr Castle	175	53	14th	32	12, 13	50·7	39·0	44·9	+ 2·3	2	0·33	8	- 10	Phœnix Park ..	3·6	+ 0·9	42	5	21	•	•	•	•
a Kilkenny	212	53	10th	33	12th	50·4	40·7	45·6	+ 2·5	2	0·21	5	- 13	Dublin City ..	•	•	•	0	33	•	•	•	•
a Waterford	120	52	14th	40	12th	50·3	45·3	47·8	+ 3·2	3	0·26	7	- 15	Birr Castle ..	1·9	- 0·5	22	1	26	•	•	•	•
p Seskin, Carrick-on-Suir	541	52	10, 11	33	16th	49·3	41·6	45·5	—	3	0·21	5	—	Seskin	1·4	—	16	0	39	•	•	•	•
a Cahir	198	53	10th	40	16th	49·7	43·3	46·5	+ 3·1	2	0·30	8	—										
a Foynes	50	54	13th	39	16th	50·4	43·7	47·1	+ 3·4	2	0·61	16	- 7										
a Cahirciveen (Val. Obs.)	30	56	12th	44	16th	52·9	48·4	50·7	+ 3·7	2	0·41	11	- 21	Cahirciveen ..	1·5	- 1·0	17	0	40	•	•	•	•
a Killarney	174	56	10th	44	16th	53·4	46·9	50·2	+ 4·9	2	0·08	2	- 31	Ballinacurra ..	1·5	- 0·8	17	•	•	•	•	•	•
a Roche's Point	32	53	10, 11	46	10th	51·7	48·3	50·0	+ 3·5	3	0·24	6	- 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	10, 11	47	10, 14, 16	52·6	48·4	50·5	+ 1·1	1	0·04	1	- 17	Scilly	3·0	+ 0·2	33	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	57	10th	36	16th	51·4	40·4	45·9	- 2·4	0	0·00	0	- 22	St. Heliers ..	5·7	+ 2·9	63	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	57	11th	39	16th	54·1	44·9	49·5	+ 1·2	0	0·00	0	- 24	Guernsey† ..	5·7	+ 3·2	63	0	38	49·2	+0·2	54·0	+0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 16th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	10, 11	30	56	76	6	0	259	16	10	21	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	9	77	82	0	191	8	10	14	18	10	18	15
Aberdeen	153	105	52	—	—	—	—	24	87	57	0	203	10	10	16	18	10	8	50
Edinburgh	485	39	31	10	4	10	16	18	77	53	0	203	20	10	12	30	10	14	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	10	6	10	12	8	28	114	0	210	19	10	13	27	10	20	25
Paisley	188	81	15	—	—	10	3	24	26	115	0	191	13	10	12	28	10	12	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	11	61	87	9	191	8	10	12	20	10	21	35
South Shields	72	61	12	—	—	10	1	17	65	85	0	236	11	10	16	22	10	13	35
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	15, 16	9	44	81	31	3	67	13	15	20	—	—	—	—
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	10, 15	5	78	69	16	0	90	12	15	19	16	10	19	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	20	88	60	0	225	9	10	20	15	10	19	50
5. ENGLAND, S.E.																			
Warlingham	842	33	‡	—	—	—	—	17	130	0	21	—	7	10	21	14	10	13	20
Brighton	261	53	6	—	—	—	—	42	121	5	0	—	9	10	21	13	10	21	20
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	92	76	0	0	247	11	11	4	13	11	4	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	20	71	75	2	225	7	10	16	13	10	19	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	10	1	19	40	108	0	191	11	10	20	20	10	18	55
Fleetwood (Cup Anr.) ..	109	44		—	—	10	9	29	124	6	0	203	15	10	16	—	—	—	—
Southport	80	62	48	—	—	10, 11	14	47	107	0	0	236	17	10	20	24	10	19	20
Holyhead	60	40	‡	—	—	10	16	33	92	27	0	214	16	10	15	25	10	15	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	15	5	10, 12 to 16	77	53	20	13	0	90	20	15	20	24	15	20	15
Plymouth	185	88	2	—	—	15	4	36	91	28	9	—	13	15	16	19	15	14	35
Lyme Regis	556	61	‡	—	—	—	—	53	86	29	0	—	10	10	21	13	10	21	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	10, 14	12	72	78	6	0	203	15	10	14	—	—	—	—
Quilty	100	40	‡	—	—	10, 12	16	41	82	5	24	—	17	10	12	24	10	12	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	10	12	94	55	7	0	205	14	10	10	23	10	14	15
Weaver Pt.	180	30	‡	—	—	10, 15	14	114	30	8	2	—	15	10	13	23	10	15	10
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	14, 15	21	104	29	14	0	113	13	15	18	21	15	17	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1918—November 10th to November 16th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highes	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	26	81·3	74·8	78·1	− 0·2	14	− 3	28	+ 8	3	− 2	0·37	9	− 21	1·9	+0·7	23	1022
Eastern.																			
1. SCOTLAND, EAST ...	55	20	80·7	73·1	76·9	− 0·8	11	− 5	37	+ 11	2	− 2	0·15	4	− 14	3·0	+1·2	37	1025
2. ENGLAND, N.E.	56	25	81·7	74·7	78·2	− 0·7	16	− 5	28	+ 12	1	− 3	0·02	1	− 13	2·7	+0·8	32	1028
3. ENGLAND, EAST ...	55	24	82·4	75·1	78·7	− 0·5	29	+ 4	18	+ 1	2	− 2	0·06	2	− 13	3·5	+1·3	41	1029
4. MIDLAND COUNTIES ...	54	22	81·3	73·5	77·4	− 1·2	14	− 7	36	+ 15	1	− 3	0·04	1	− 13	3·0	+1·0	34	1029
5. ENGLAND, S.E.	56	24	82·9	76·4	79·7	− 0·2	30	− 1	11	− 1	2	− 2	0·09	2	− 15	3·8	+1·5	43	1029
Western.																			
6. SCOTLAND, WEST ...	53	26	81·6	75·3	78·4	− 0·4	15	− 7	25	+ 9	2	− 2	0·42	11	− 16	1·8	+0·1	22	1027
7. ENGLAND, N.W.	56	25	81·6	75·2	78·4	− 0·9	15	− 9	25	+ 12	1	− 3	0·37	9	− 11	3·2	+1·3	37	1027
8. ENGLAND, S.W.	56	25	82·4	77·8	80·1	− 0·2	25	− 8	4	− 6	2	− 2	0·15	4	− 18	3·3	+0·9	38	1027
9. IRELAND, NORTH ...	58	26	82·8	77·0	79·9	+ 0·6	29	+ 5	8	− 6	2	− 3	0·21	5	− 17	2·9	+0·7	35	1024
10. IRELAND, SOUTH ...	56	32	83·6	79·8	81·7	+ 1·6	39	+ 7	0	− 11	2	+ 2	0·28	7	− 16	2·1	−0·4	24	1025
11. ENGLISH CHANNEL ...	57	36	84·5	80·0	82·2	− 0·2	46	− 4	0	− 1	1	− 4	0·01	0	− 22	4·8	+2·1	53	1026

THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, September 1st to November 16th, 1918.

0. SCOTLAND, NORTH ...	64	25	83·7	77·6	80·5	− 1·1	352	−153	67	− 4	59	+ 6	16·92	429	+133	2·7	0·0	26	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	20	84·3	77·1	80·6	− 1·0	384	−147	98	+ 6	54	+10	9·51	240	+ 55	3·2	+0·2	30	1006
2. ENGLAND, N.E.	72	25	85·8	79·2	82·4	− 0·4	585	− 55	46	0	47	+ 7	7·35	187	+ 36	3·3	−0·1	31	1010
3. ENGLAND, EAST ...	74	24	86·7	79·7	83·1	− 0·4	682	− 53	36	− 12	48	+ 9	8·05	205	+ 57	3·5	−0·3	32	1013
4. MIDLAND COUNTIES ...	70	22	86·1	79·0	82·4	− 0·4	612	− 53	69	0	50	+11	9·22	233	+ 74	3·2	0·0	30	1013
5. ENGLAND, S.E.	72	24	87·3	80·5	83·8	− 0·3	767	− 42	29	− 5	49	+10	9·69	246	+ 59	3·9	0·0	35	1014
Western.																			
6. SCOTLAND, WEST ...	69	26	85·0	78·6	81·7	− 0·8	491	−112	48	− 4	59	+15	17·08	435	+154	3·0	0·0	27	1009
7. ENGLAND, N.W.	74	25	85·6	79·9	82·7	− 0·5	605	− 71	38	+ 4	55	+11	13·11	333	+115	3·1	−0·1	29	1010
8. ENGLAND, S.W.	72	24	86·3	80·6	83·4	− 0·5	698	− 78	21	− 5	59	+14	12·82	328	+ 82	3·6	−0·1	33	1013
9. IRELAND, NORTH ...	68	25	85·1	78·9	81·9	− 0·9	506	−132	28	− 13	62	+13	13·09	331	+108	3·0	−0·1	28	1008
10. IRELAND, SOUTH ...	72	27	86·1	79·7	82·8	− 0·7	629	−105	26	− 7	58	+13	13·55	346	+117	3·3	−0·2	30	1011
11. ENGLISH CHANNEL ...	74	35	87·8	83·1	85·4	− 0·4	945	− 59	0	− 1	56	+ 9	9·98	253	+ 28	4·4	−0·1	40	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 46 Weeks, December 30th, 1917, to November 16th, 1918.

0. SCOTLAND, NORTH ...	77	5	84·0	77·9	80·9	− 0·1	1912	−135	581	− 29	215	+ 1	49·08	1243	+155	3·3	−0·1	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·9	77·4	81·0	− 0·2	2116	−153	715	+ 6	187	+ 5	27·87	706	+ 20	3·8	−0·2	30	1012
2. ENGLAND, N.E.	84	9	86·1	79·0	82·4	+ 0·2	2709	+ 92	440	− 78	161	− 3	21·49	545	− 8	4·2	−0·1	32	1014
3. ENGLAND, EAST ...	92	14	86·9	79·1	82·8	0·0	2971	− 38	447	− 95	155	− 4	23·36	595	+ 68	4·7	0·0	37	1016
4. MIDLAND COUNTIES ...	89	12	87·1	78·8	82·8	+ 0·3	2957	+ 56	471	−120	159	+ 1	25·16	639	+ 51	4·1	−0·1	33	1016
5. ENGLAND, S.E.	90	15	87·3	79·7	83·4	0·0	3182	− 38	382	− 31	154	− 1	26·57	674	+ 78	4·9	0·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·6	78·8	82·1	+ 0·1	2487	− 19	422	− 46	199	+10	43·44	1105	+ 94	4·0	−0·1	31	1014
7. ENGLAND, N.W.	84	12	86·1	79·7	82·8	+ 0·3	2802	+ 64	318	− 98	175	+ 1	32·81	835	+ 67	4·3	+0·1	34	1014
8. ENGLAND, S.W.	82	16	86·7	80·0	83·3	+ 0·1	3018	− 28	277	− 50	173	− 1	33·80	863	+ 31	4·9	+0·2	39	1016
9. IRELAND, NORTH ...	80	18	85·8	79·3	82·4	0·0	2604	− 6	305	− 76	207	− 1	33·66	859	+ 16	3·8	0·0	30	1013
10. IRELAND, SOUTH ...	89	19	86·9	80·0	83·3	+ 0·1	3043	+ 29	243	− 50	196	+11	37·34	949	+ 83	4·3	0·0	34	1015
11. ENGLISH CHANNEL ...	85	26	87·4	81·9	84·5	− 0·1	3569	− 25	91	− 15	170	−10	25·03	637	− 59	5·9	+0·3	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: November 21st, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ON 185

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—
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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 47.

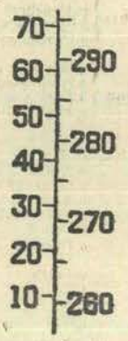
THE FORTY-SEVENTH WEEK OF 1918.

SUNDAY, NOVEMBER 17TH, TO SATURDAY, NOVEMBER 23RD, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed in all parts of the British Isles until Wednesday, when the region of high pressure moved eastwards to Denmark. An Atlantic disturbance appeared off our western coasts on Thursday, and a southerly current of wind, with milder weather, gradually spread over the United Kingdom, reaching the eastern districts by Saturday. The mean temperature for the week was below the normal everywhere, the greatest deficit, about 3 a., being in the East of Scotland and in the northern and midland counties of England. On Sunday, the 17th, maxima below 277 a. were recorded in all parts of Great Britain, in many of the English districts the thermometer did not exceed 275 a. and in central Scotland 273 a. was the highest point reached; another cold day was also experienced in the middle of the week. At the close of the period, on the other hand, maxima of 283 a. and upwards were general, the highest being 286 a. at several stations in England South-West. Minimum temperatures of 270 a. and below (in the screen) were general; the lowest were 263 a. and 265 a. at Balmoral and West Linton respectively on the 17th, 266 a. at Newton Rigg (Cumberland) and Cahir (Tipperary) on the 19th. Frost on the grass occurred every night in many parts of Great Britain, the lowest readings being 261 a. at Newton Rigg, 262 a. at West Linton, Durham, Dublin (Phœnix Park) and Rhayader. Considerable rain fell over the western districts on Friday and Saturday, but over the country as a whole the week was practically rainless, many of the small measurements in the table being due to wet fog or melted hoar-frost. Fog was very prevalent throughout the week, but at some places in the east and south of England it dispersed early in the day and exceptionally good sunshine records were obtained, about seven hours per day in many places. Thunder was reported at Markree Castle on the 19th. A lunar halo was seen at Aberdeen on the 19th and a display of aurora borealis at Balmoral on the 21st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	4·9	10	4·3	12	2·5	9	1·5	21	4·1	18	7·4	19	5·8	17	7·2
North	4	2·0	4	0·6	9	3·0	8	2·0	1	4·0	5	1·6	5	1·1	7	2·7
West	13	2·5	24	3·2	11	2·5	4	1·1	7	2·4	3	3·8	10	3·4	2	1·2
East	7	1·5	0	—	15	4·8	12	2·4	13	2·0	18	5·0	8	1·8	21	3·6
Calm	6	—	4	—	2	—	11	—	4	—	0	—	2	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient
	Rainfall ...	Very light	Light	Very light	Very light	Very light	Very light	Light	Very light	Light	Very light	Light	Very light
	Sunshine ...	Scanty	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant	Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 12 weeks from Sept. 1st, 1918.	Warmth ...	0, 6, 6	1, 5, 6	2, 5, 5	2, 6, 4	1, 7, 4	2, 5, 5	1, 4, 7	1, 5, 6	1, 6, 5	0, 6, 6	0, 7, 5	2, 5, 5
	Rainfall ...	5, 3, 4	6, 3, 3	3, 5, 4	6, 1, 5	5, 2, 5	5, 3, 4	7, 1, 4	6, 3, 3	4, 4, 4	7, 1, 4	6, 2, 4	3, 7, 2
	Sunshine ...	5, 4, 3	6, 4, 2	3, 7, 2	3, 4, 5	3, 5, 4	3, 6, 3	2, 6, 4	5, 4, 3	3, 6, 3	6, 3, 3	3, 4, 5	4, 5 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 ('0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(20569—19.) Wt. 199—789. 600, 11/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.
0. SCOTLAND, N.												
a, Islands .. *a* Lerwick ..	54	46	23rd	32	21st	44·7	37·9	41·3	0·0	4	0·21	5 – 20
p Deerness ..	160	48	21st	39	19, 20, 23	46·0	40·4	43·2	—	3	0·31	8 – 15
a Stornoway ..	31	48	20–22	34	18th	46·9	40·0	43·5	+ 2·0	2	0·12	3 – 32
a Castlebay, Barra Isd.	37	50	20th	42	19th	48·1	45·0	46·6	—	3	0·24	6 —
b, Mainland. *a* Wick ..	81	49	21st	30	17th	45·9	36·7	41·3	+ 0·7	3	0·20	5 – 13
p Glencarron ..	500	49	21st	29	18th	43·4	31·3	37·4	– 2·2	—	—	— —
a Fort Augustus ..	68	50	21st	22	17th	43·6	33·0	38·3	– 2·1	1	0·04	1 – 27
p Fort William ..	171	50	21st	23	18th	42·3	32·3	37·3	– 4·0	3	0·64	16 – 34
1. SCOTLAND, E.												
a Nairn ..	82	49	21st	27	18th	43·3	30·6	37·0	– 2·7	3	0·26	7 – 35
p Gordon Castle ..	101	51	21st	28	20, 22	45·0	30·9	38·0	– 2·7	2	0·02	1 – 13
a Aberdeen ..	46	47	23rd	28	18th	42·6	31·9	37·3	– 3·3	1	0·01	0·2 – 15
a Balmoral ..	930	47	23rd	15	19th	39·6	22·4	31·0	– 5·9	0	0·00	0 – 18
p Crieff ..	432	45	21st	21	18th	38·4	26·6	32·5	– 6·7	2	0·20	5 – 17
a Dundee ..	244	44	21st	20	23rd	39·6	24·0	31·8	– 8·0	1	0·01	0 – 12
a Leith ..	30	47	23rd	27	18, 23	41·1	[30·1	35·6	– 6·2	2	0·05	1 – 9
p Edinburgh ..	441	49	23rd	25	17, 18	40·9	30·1	35·5	– 5·2	1	0·04	1 – 10
a West Linton ..	769	47	23rd	17	17th	40·9	23·1	32·0	– 4·5	0	0·00	0 —
p Marchmont ..	498	243	21–23	25	18, 19, 22	40·4	27·1	33·8	– 5·5	0	0·00	0 – 15
6. *a*. SCOTLAND, W.												
a Ford (Argyll) ..	149	49	20th	27	17th	43·3	34·0	38·1	—	4	1·13	29 —
p Glasgow Observatory	180	46	20, 21, 23	28	17th	40·9	32·1	36·5	– 4·7	5	0·18	5 – 16
p Rothesay ..	200	48	20th	31	18, 19	43·3	34·9	39·1	– 3·1	6	0·84	21 – 7
a Kilmarnock ..	90	48	22, 23	22	17th	44·1	31·4	37·8	– 2·4	1	0·18	5 – 16
a Colmonell ..	170	50	23rd	23	18th	45·4	32·4	38·9	– 3·0	1	0·15	4 – 24
p Cally, Gatehouse ..	120	47	20th	24	17–19	43·6	30·1	36·9	– 3·9	1	0·38	10 – 19
p Dumfries ..	160	45	21st	21	19th	39·7	25·6	32·7	– 8·1	1	0·18	5 – 15
a Eskdalemuir ..	794	44	23rd	14	20th	39·7	20·6	30·2	—	2	0·06	1 —
b, I. OF MAN *p* Douglas ..	277	50	23rd	35	19th	46·6	40·3	43·5	– 0·1	1	0·11	3 – 24
2. ENGLAND, N.E												
a North .. *a* Alnwick Castle	210	51	23rd	25	19th	42·1	28·0	35·1	– 6·0	0	0·00	0 – 14
a Tynemouth ..	71	44	17, 23	30	18, 19	41·1	32·4	36·8	– 5·0	0	0·00	0 – 10
p Durham ..	336	44	18th	26	17, 18	39·3	28·3	33·8	– 6·7	1	0·01	0·2 – 10
p Rounton ..	249	43	23rd	26	20th	40·3	28·0	34·2	– 5·8	4	0·06	2 – 9
a West Witton ..	605	43	21, 23	27	20th	41·1	28·3	34·7	—	1	0·02	1 —
p Scarborough ..	100	50	17th	34	20, 21	45·0	38·6	41·8	– 0·8	2	0·03	1 – 11
p York ..	56	44	17–19	26	20th	40·3	31·1	35·7	– 5·8	1	0·03	1 – 9
b, South .. *a* Spurn Head ..	26	45	17th	30	21st	43·7	35·9	39·8	– 3·1	1	0·01	0·3 – 9
a Lincoln ..	58	45	23rd	27	20th	40·6	31·6	36·1	– 5·1	1	0·01	0 – 10
a Fulbeck ..	180	46	23rd	25	20th	40·9	30·3	35·6	– 5·7	3	0·04	1 – 9
3. ENGLAND, E.												
p Cromer ..	196	51	23rd	31	21st	46·3	35·6	41·0	– 1·3	2	0·03	1 – 9
a Little Massingham ..	280	48	23rd	25	21st	42·7	29·9	36·3	– 4·4	3	0·04	1 – 11
a Yarmouth ..	13	50	23rd	31	20, 21	46·1	35·0	40·6	– 1·6	0	0·00	0 – 11
a Norwich ..	93	47	19, 23	26	20th	43·0	31·1	37·1	– 4·1	1	0·03	1 – 11
a Geldeston ..	37	54	23rd	25	20th	47·3	30·9	39·1	– 2·9	2	0·03	1 – 10
p Cambridge ..	41	50	23rd	24	20th	43·6	30·3	37·0	– 4·2	0	0·00	0 – 9
a Clacton-on-Sea ..	54	49	23rd	28	20, 21	44·6	33·7	39·2	– 3·0	2	0·03	1 – 8
a Rothamsted ..	424	50	23rd	25	20th	42·4	30·6	36·5	– 4·4	4	0·05	1 – 11
p Tottenham ..	51	49	3 rd	30	23rd	44·7	34·4	39·6	—	0	0·00	0 —
4. MIDLAND COUNTIES.												
a North .. *a* Harrogate ..	479	45	23rd	28	20th	40·1	30·0	35·1	– 5·2	0	0·01	0·2 – 11
p Sheffield ..	429	49	23rd	30	20th	42·0	33·1	37·6	—	4	0·06	2 —
p Buxton ..	987	—	—	—	—	—	—	—	—	—	—	— —
b, East .. *a* Bawtry ..	65	48	23rd	25	17th	42·0	28·9	35·5	– 5·4	0	0·02	1 – 7
a Nottingham ..	82	47	23rd	24	20, 21, 23	40·4	27·7	34·1	– 7·1	2	0·02	1 – 7
p Birmingham, Edgbsn.	535	48	23rd	30	17th	41·9	33·0	37·5	– 3·9	1	0·04	1 – 9
a Raunds ..	203	49	20th	21	20th	43·9	27·6	35·8	– 4·7	0	0·04	1 – 8
p Oxford ..	208	49	23rd	27	20th	43·3	31·9	37·6	– 4·3	2	0·04	1 – 9
c, West .. *a* Cheadle (N. Staffs.)	646	46	23rd	28	20th	39·6	31·1	35·4	– 4·7	1	0·07	2 – 10
p Tenbury ..	313	47	19, 23	23	20th	41·9	27·4	34·7	– 6·7	1	0·02	1 – 8
a Hereford ..	291	—	—	—	—	—	—	—	—	—	—	— —
a Clifton ..	229	51	23rd	30	19, 20	44·3	33·0	38·7	– 4·4	0	0·00	0·1 – 15
5. ENGLAND, S.E.												
a Marlborough ..	424	50	23rd	25	20th	43·7	30·7	37·2	– 3·4	1	0·03	2 – 12
p Salisbury (Wilton) ..	180	51	22, 23	26	20, 21	45·1	29·1	37·1	– 4·3	1	0·04	1 – 15
a Wisley, Surrey ..	150	52	23rd	27	22nd	43·9	31·7	37·8	– 3·9	1	0·03	1 – 9
a Tunbridge Wells ..	354	52	23rd	29	21st	44·0	32·7	38·4	– 3·7	0	0·00	0 – 15
a Margate ..	51	51	23rd	33	21st	46·4	37·3	41·9	– 1·8	0	0·00	0·1 – 10
a Dungeness ..	21	51	23rd	33	18, 19	46·1	35·9	41·0	– 3·0	0	0·00	0 – 12
p St. Leonards ..	178	52	23rd	32	17, 18	46·0	37·1	41·6	– 2·5	0	0·00	0 – 13
p Southampton ..	64	53	23rd	28	20th	46·3	34·4	40·4	– 3·3	1	0·02	1 – 13
a Ventnor ..	59	54	23rd	35	18, 19	48·1	39·7	43·9	– 2·0	1	0·01	0·3 – 14
LONDON. *p* Richmond (Kew Obs.)	18	50	23rd	28	23rd	43·9	33·2	38·6	– 3·7	0	0·02	0·4 – 10
a Westminster ..	27	53	23rd	33	19th	45·9	35·6	40·8	– 2·7	0	0·00	0 – 9
ag Greenwich ..	149	52	23rd	29	22nd	44·3	33·3	38·8	– 4·6	0	0·02	1 – 12
a Hampstead ..	450	—	—	—	—	—	—	—	—	—	—	— —
ag Camden Square ..	110	50	23rd	29	23rd	44·4	33·1	38·8	– 4·0	0	0·01	0 – 15
7. *a*, ENGLAND, N.W.												
p Aspatria (Mealsgate)	487	48	23rd	25	19th	42·6	31·7	37·2	– 3·7	1	0·03	1 – 20
p Newton Rigg ..	559	46	23rd	20	19th	41·7	26·4	34·1	– 5·1	1	0·03	1 – 17
p Stonyhurst ..	375	48	23rd	24	19th	41·0	31·0	36·0	– 5·1	1	0·09	2 – 21
p Blackpool ..	60	47	23rd	24	19th	41·4	21·1	36·3	– 5·9	1	0·03	1 – 16
a Southport ..	37	48	23rd	28	19th	41·4	31·3	36·4	– 5·8	0	0·00	0 – 16
a Liverpool (Bidston) ..	188	47	23rd	32	17th	42·0	34·0	38·0	– 4·9	0	0·00	0 – 13
a Hawarden Bridge ..	22	44	19th	29	17, 20	41·9	32·0	37·0	– 6·3	0	0·00	0 – 11
p Manchester (Whit. Pk.)	125	48	23rd	30	20th	42·4	33·4	37·9	– 4·7	0	0·06	0 – 14
b, NORTH WALES.												
p Llandudno ..	16	52	23rd	31	17th	46·4	35·9	41·2	– 3·4	0	0·00	0 – 16
a Holyhead ..	15	51	23rd	31	17th	48·0	37·1	42·6	– 2·5	1	0·04	1 – 20
a Beddgelert ..	309	51	22nd	28	17th	45·4	31·7	38·6	—	2	0·19	5 —
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	— —

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	0·5	– 0·5	7	•	•	•	•	•	•
Stornoway ..	0·2	– 1·0	3	•	•	•	•	•	•
Castlebay ..	0·2	—	3	•	•	•	•	•	•
Fort Augustus ..	—	—	—	•	•	•	•	•	•
Nairn ..	2·9	—	39	•	•	•	•	•	•
Gordon Castle ..	3·1	—	42	•	•	•	•	•	•
Aberdeen ..	2·6	+ 0·9	35	7	18	•	•	44·7	– 2·2
Balmoral ..	•	•	•	6	14	•	•	•	•
Crathes ..	2·4	+ 0·7	32	7	16	36·9	– 3·2	43·7	– 0·7
Dundee ..	1·2	—	16	7	15	38·1	•	•	•
Leith ..	—	—	—	5	24	•	•	•	•
Edinburgh ..	1·6	– 0·4	21	6	22	•	•	•	•
West Linton ..	2·0	—	26	7	12	•	•	•	•
Marchmont ..	2·9	+ 1·3	38	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	6	16	40·8	•	45·9	•
Glasgow ..	0·0	– 0·9	0	5	25	•	•	•	•
Rothesay ..	0·5	—	6	3	27	40·4	•	46·1	– 0·1
Kilmarnock ..	1·0	—	13	•	•	39·0	•	45·9	•
Colmonell ..	•	•	•	4	20	•	•	•	•
Dumfries ..	2·0	—	25	7	15	37·7	– 2·3	45·3	+ 0·3
Eskdalemuir ..	3·5	—	45	5	12	•	•	•	•
Douglas ..	2·3	+ 0·3	29	2	29	•	•	•	•
Cockle Park ..	1·2	– 0·9	15	7	20	36·4	– 2·3	43·5	– 0·3
Durham ..	1·4	– 0·4	18	5	14	•	•	•	•
Rounton ..	•	•	•	7	17	38·8	•	•	•
West Witton ..	•	•	•	7	21	37·1	•	44·7	•
Scarborough† ..	3·2	+ 1·5	40	•	•	•	•	48·6	•
York ..	1·2	– 0·2	15	•	•	41·1	– 2·2	47·2	– 0·7
Spurn Head ..	1·6	—	23	•	•	•	•	•	•
Lincoln ..	•	•	•	6	25	39·1	– 1·7	47·3	– 0·2
Rauceby ..	1·6	– 0·3	20	•	•	39·0	– 2·6	47·9	– 0·3
Skegness ..	2·3	0·0	23	•	•	•	•	•	•
Cromer ..	3·1	+ 1·3	38	•	•	•	•	•	•
Lit. Massingham ..	2·7	+ 1·1	33	•	•	•	•	•	•
Yarmouth ..	3·4	—	41	2	26	44·0	+1·7	48·7	+0·4
Norwich ..	3·2	—	39	7	24	39·2	•	•	•
Geldeston ..	3·2	+ 1·4	39	•	•	•	•	•	•
Cambridge ..	1·9	+ 0·2	23	7	24	40·8	– 1·8	48·0	– 0·6
Clacton ..	3·0	+ 1·0	36	3	25	43·4	– 1·8	49·8	+0·3
Rothamsted ..	1·9	+ 0·1	23	6	20	40·7	•	•	•
Tottenham ..	0·7	—	8	4	25	•	•	49·2	– 0·6
Harrogate ..	1·8	+ 0·2	23	7	22	39·7	– 2·3	44·3	– 0·7
Sheffield ..	0·8	– 0·7	10	5	24	39·0	– 3·1	47·0	– 0·5
Buxton ..	—	—	—	—	—	—	—	—	—
Worksop ..	0·4	– 0·9	5	6	18	38·3	•	44·9	•
Nottingham ..	0·8	– 0·4	10	6	23	37·1	– 3·2	44·6	– 0·1
Birmingham ..	1·4	+ 0·2	17	7	16	39·8	– 3·0	47·9	– 0·3
Raunds ..	1·8	—	22	7	18	43·1	•	50·7	•
Oxford ..	2·6	+ 0·8	31	6	19	•	•	•	•
Cheadle ..	•	•	•	6	19	•	•	•	•
Tenbury ..	•	•	•	6	20	38·7	•	•	•
Malvern ..	2·5	—	30	6	23	38·8	•	46·6	•
Clifton ..	2·2	—	26	5	27	•	•	•	•
Folkestone ..	2·7	—	32	•	•	•	•	50·1	•
St. Leonards ..	4·0	+ 1·9	47	4	27	42·3	•	50·7	•
Southampton ..	2·4	+ 0·6	29	6	21	•	•	•	•
Ventnor ..	3·4	+ 1·3	40	•	•	•	•	•	•
Worthing ..	2·9	+ 0·8	34	4	25	42·3	– 1·5	50·5	+0·3
Marlborough ..	1·9	+ 0·4	23	6	20	40·3	•	49·2	•
Salisbury ..	•	•	•	6	22	41·5	•	•	•
Wisley ..	2·4	+ 0·8	29	7	19	41·1	– 1·7	47·8	– 0·5
Tunbridge Wells ..	2·6	+ 0·8	31	7	21	44·4	+2·7	49·7	•
Margate ..	2·8	+ 1·2	33	2	29	44·3	– 0·8	50·4	+1·7
Richmond ..	2·2	+ 0·8	25	5	20	40·1	– 2·5	48·0	– 0·9
Westminster ..	1·7	+ 0·8	20	3	29	•	•	•	•
Greenwich ..	2·6	+ 1·2	31	6	17	•	•	•	•
Hampstead ..	—	—	—	—	—	•	•	•	•
Camden Square ..	0·1	– 0·9	1	7	25	•	•	•	•
Aspatria ..	4·2	+ 2·4	51	7	22	38·6	– 3·2	45·7	– 1·7
Newton Rigg ..	3·9	+ 2·3	47	7	11	38·4	– 3·0	45·2	– 0·6
Stonyhurst ..	0·7	– 0·7	8	7	21	•	•	•	•
Blackpool ..	0·1	– 1·6	1	7	17	41·8	•	48·7	•
Southport ..	0·8	– 0·9	9	4	19	36·0	– 4·3	45·1	– 0·7
Hoylake ..	—	—	—	•	•	•	•	•	•
Liverpool ..	1·9	—	22	6	25	•	•	•	•
Manchester (City) ..	0·1	– 0·4	1	7	21	39·8	– 1·4	48·5	0·0
Whitworth Park ..	•	•	•	•	•	•	•	•	•
Llandudno ..	3·4	+ 1·5	40	•	•	•	•	•	•
Holyhead ..	2·7	—	31	3	21	•	•	•	•
Aberdovey ..	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.			hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																							
a Aberystwyth	59	53	23rd	29	17th	46·4	36·3	41·4	—	1	0·04	1	—	Aberystwyth	3·4	+ 1·5	41	•	•	•	•	•	•
a Rhayader	757	48	23rd	21	20th	42·1	30·7	36·4	—	2	0·02	0·4	—	Rhayader	2·1	—	25	5	13	•	•	•	•
a St. Ann's Head	149	53	23rd	33	17th	47·9	39·8	43·5	- 2·5	1	0·04	1	- 18	St. Ann's Head	2·1	+ 0·8	32	•	•	•	•	•	•
p Cardiff	202	48	23rd	30	20th	43·1	34·4	38·8	- 3·4	2	0·02	1	- 19	Cardiff	2·3	—	27	5	21	41·6	-1·1	49·2	+0·5
b, ENGLAND, S.W.																							
a Bath	66	52	23rd	25	20th	45·3	32·0	38·7	- 3·7	1	0·03	1	- 13	Bath	•	•	•	—	—	44·1	-0·6	50·6	+0·3
a Shaftesbury	722	48	22, 23	30	17th	43·6	33·9	38·8	- 2·9	1	0·09	2	- 14	Shaftesbury	•	•	•	•	•	40·5	•	48·6	•
a Arlington	613	52	23rd	28	18th	44·7	34·3	39·5	- 3·2	1	0·04	1	- 27										
a Hartland Quay	100	56	23rd	34	17, 18	49·1	37·4	43·3	—	1	0·04	1	—										
a Newquay	190	55	23rd	27	18th	47·6	36·1	41·9	- 4·7	1	0·18	5	- 13	Newquay	2·1	- 0·1	24	4	24	44·9	•	51·6	•
a Cullompton	202	55	23rd	27	20, 21	46·7	32·6	39·7	- 3·1	2	0·05	1	- 17	Cullompton	2·1	+ 0·4	24	6	20	42·5	•	•	•
a Portland Bill	19	52	23rd	36	17th	48·0	40·3	44·2	- 2·3	1	0·04	1	- 12	Weymouth	3·5	—	41	•	•	•	•	•	•
p Plymouth	116	54	23rd	33	17, 18	48·1	38·7	43·4	- 2·0	2	0·20	5	- 14	Plymouth	2·7	+ 0·6	31	3	28	43·2	-2·3	50·6	•
a Falmouth	167	53	23rd	30	18th	48·4	38·9	43·7	- 2·6	2	0·04	1	- 24	Falmouth	1·3	- 1·0	15	2	25	47·1	•	52·0	•
9. IRELAND, N.																							
a West — *a* Malin Head	208	50	22, 23	34	18th	47·4	38·4	42·9	- 1·3	2	0·20	5	- 14	Malin Head	3·9	+ 2·3	51	•	•	•	•	•	•
a West — *a* Blacksod Point	327	51	22nd	34	17th	47·1	39·1	43·1	- 2·1	2	0·20	5	- 26	Markree Castle	1·9	—	24	3	20	43·4	-0·8	48·8	-0·4
a West — *p* Markree Castle	122	51	20, 23	24	18, 19	46·0	33·3	39·7	- 2·4	2	0·44	11	- 14										
b, East — *p* Armagh	196	51	23rd	26	17th	46·4	37·0	41·7	- 0·5	2	0·30	8	- 9	Armagh	3·5	+ 1·7	44	3	24	42·6	-0·4	47·5	-0·4
b, East — *a* Donaghadee	101	52	23rd	30	19th	47·6	38·1	42·9	- 0·8	2	0·12	3	- 15										
10. IRELAND, S.																							
p Dublin, City	47	54	23rd	28	19th	46·7	37·0	41·9	- 2·3	2	0·08	2	- 11	Trinity Coll.	•	•	•	3	20	43·6	-0·4	48·2	+0·2
a Birr Castle	175	51	22, 23	23	19th	47·0	32·9	40·0	- 1·9	2	0·16	4	- 12	Phœnix Park	2·3	+ 0·2	28	5	13	•	•	•	•
a Kilkenny	212	51	22, 23	22	19th	47·3	33·9	40·6	- 1·8	2	0·23	6	- 10	Dublin City	•	•	•	3	24	•	•	•	•
a Waterford	120	52	22nd	23	19th	47·7	36·9	42·3	- 1·6	2	0·35	9	- 10	Birr Castle	1·7	- 0·2	21	3	18	•	•	•	•
p Seskin, Carrick-on-Suir	541	50	23rd	27	19th	45·7	36·9	41·3	—	2	0·49	13	—	Seskin	0·8	—	10	3	19	•	•	•	•
a Cahir	199	52	22nd	19	19th	47·6	33·7	40·7	- 2·0	2	0·33	8	—										
a Foynes	50	52	21, 22	23	19th	48·6	35·0	41·8	- 2·2	2	0·32	8	- 13										
a Cahirciveen (Val. Obs.)	30	53	22nd	31	19th	50·3	39·7	45·0	- 1·4	2	1·30	33	+ 5	Cahirciveen	1·2	- 0·7	14	1	27	•	•	•	•
a Killarney	174	54	20th	28	19th	49·9	37·7	43·8	- 0·8	2	0·38	10	- 20	Ballinacurra	1·0	- 0·8	12	•	•	•	•	•	•
a Roche's Point	32	51	22nd	32	19th	48·3	41·9	44·7	- 1·1	3	0·41	10	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	54	22nd	39	18, 19	49·1	42·3	45·7	- 3·0	2	0·21	5	- 12	Scilly	0·9	- 1·1	10	•	•	•	•	•	•
a Jersey, St. Aubins	25	52	22nd	33	17, 19	47·3	36·1	41·7	- 5·7	1	0·02	0·4	- 19	St. Heliers	4·7	+ 2·6	54	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	23rd	38	17th	49·3	40·7	45·0	- 2·4	2	0·04	1	- 20	Guernsey†	3·7	+ 1·9	3	0	33	46·4	-1·4	52·1	-0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 23rd, 1918.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	—	—	22	3	54	71	40	0	169	12	22	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	4	68	90	6	180	6	21	18	15	21	18	35
Aberdeen	153	105	52	—	—	—	—	15	81	72	0	191	8	21	13	15	21	13	50
Edinburgh	485	39	31	—	—	—	—	30	114	24	0	191	9	20	16	13	20	15	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	5	29	134	0	180	7	21	8	10	21	10	5
Paisley	188	81	15	—	—	—	—	—	34	134	0	180	5	21	3	13	21	11	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	6	66	96	0	180	7	22	6	12	22	4	35
South Shields	72	61	12	—	—	—	—	11	111	46	0	214	7	22	11	12	21	21	40
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.)	73	60	10	—	—	21, 22	6	48	96	18	0	113	12	21	19	—	—	—	—
Gorleston	52	42	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	57	81	30	0	113	11	21	17	13	21	17	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	5	94	69	0	135	8	23	3	12	22	10	25
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	10	137	21	0	—	6	22	6	13	22	6	5
Brighton	261	53	6	—	—	—	—	36	121	11	0	—	9	22	9	14	21	13	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of action.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	49	98	9	12	113	9	21	13	12	21	12	40
Richmond (Kew Obs.)	82	66	22	—	—	—	—	2	77	66	23	124	6	21	13	10	21	13	40
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.)	109	44	—	—	—	21	1	35	99	33	0	146	11	21	18	—	—	—	—
Southport	80	62	48	—	—	—	—	67	96	6	0	146	10	21	14	17	22	2	25
Holyhead	60	40	‡	—	—	—	—	57	103	8	0	157	10	22	20	14	21	10	15
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	—	20 to 22	38	62	45	23	0	135	15	21	5	21	21	8	25
Plymouth	185	88	2	—	—	—	—	55	73	40	0	—	10	22	13	17	21	11	10
Lyme Regis	556	61	‡	—	—	21	13	54	37	64	0	—	13	21	8	18	21	6	5
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	—	20 to 22	13	60	68	12	15	180	13	21	16	—	—	—	—
Quilty	100	40	‡	—	—	17, 23	9	88	88	13	0	—	13	17	13	20	17	11	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	19 to 22	40	54	52	22	0	155	14	21	19	23	21	19	25
Weaver Pt.	160	30	‡	—	—	19 to 22	56	46	64	2	0	—	13	21	19	18	21	19	0
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	20 to 22	24	57	52	35	0	146	13	21	1	18	21	4	15

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SEVENTH WEEK of 1918—November 17th to November 23rd, 1918

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Deviation from Normal.	Accumulated Below 42°	Accumulated Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	22	79·9	74·8	77·4	− 0·3	7	− 7	26	+ 3	3	− 2	0·24	6	− 28	0·4	−0·6	5	1016
Eastern.																			
1. SCOTLAND, EAST ...	51	15	78·2	70·7	74·5	− 2·7	0	− 13	51	+ 22	1	− 3	0·07	2	− 13	2·3	+0·6	30	1018
2. ENGLAND, N.E.	51	25	78·3	72·9	75·6	− 2·7	0	− 17	37	+ 18	1	− 3	0·02	1	− 10	1·8	0·0	22	1021
3. ENGLAND, EAST ...	54	24	79·9	73·2	76·6	− 1·7	7	− 11	36	+ 16	2	− 2	0·02	1	− 10	2·5	+0·7	30	1022
4. MIDLAND COUNTIES ...	51	21	78·5	71·9	75·2	− 2·9	0	− 17	42	+ 18	1	− 3	0·03	1	− 10	1·4	−0·1	17	1022
5. ENGLAND, S.E.	54	25	80·4	74·2	77·3	− 1·8	10	− 13	30	+ 15	1	− 3	0·02	1	− 13	2·7	+1·0	32	1022
Western.																			
6. SCOTLAND, WEST ...	50	21	79·3	73·4	76·4	− 2·0	4	− 14	34	+ 15	3	− 2	0·39	10	− 20	1·2	−0·4	15	1021
7. ENGLAND, N.W.	52	20	79·2	73·3	76·2	− 2·6	3	− 16	34	+ 18	1	− 3	0·02	1	− 19	2·5	+0·9	30	1020
8. ENGLAND, S.W.	55	21	80·7	74·9	77·8	− 1·9	11	− 16	26	+ 13	2	− 2	0·06	2	− 19	2·3	+0·4	28	1020
9. IRELAND, NORTH ...	52	23	81·3	75·5	78·4	− 0·7	14	− 7	23	+ 8	2	− 3	0·24	6	− 16	2·7	+1·0	34	1016
10. IRELAND, SOUTH ...	54	19	82·0	75·4	78·7	− 1·0	26	− 2	16	+ 3	2	− 2	0·40	10	− 11	1·6	−0·4	19	1017
11. ENGLISH CHANNEL ...	54	33	82·2	77·3	79·7	− 2·2	24	− 20	6	+ 4	2	− 3	0·09	3	− 16	3·1	+1·1	36	1019

THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, September 1st to November 23rd, 1918.

0. SCOTLAND, NORTH ...	64	22	83·4	77·4	80·3	− 1·0	359	−160	93	− 1	62	+ 4	17·20	436	+106	2·5	0·0	24	1006
Eastern.																			
1. SCOTLAND, EAST ...	68	15	83·8	76·6	80·1	− 1·2	384	−160	149	+ 28	55	+ 7	9·58	242	+ 42	3·1	+0·2	30	1007
2. ENGLAND, N.E.	72	25	85·2	78·7	81·9	− 0·6	585	− 72	83	+ 18	48	+ 4	7·37	188	+ 26	3·2	0·0	30	1011
3. ENGLAND, EAST ...	74	24	86·1	79·2	82·5	− 0·5	689	− 64	72	+ 4	50	+ 7	8·07	206	+ 47	3·4	−0·2	32	1013
4. MIDLAND COUNTIES ...	70	21	85·4	78·4	81·8	− 0·6	612	− 70	111	+ 18	51	+ 8	9·25	234	+ 64	3·1	0·0	29	1014
5. ENGLAND, S.E.	72	24	86·7	79·9	83·2	− 0·5	777	− 55	59	+ 10	50	+ 7	9·71	247	+ 46	3·8	+0·1	35	1014
Western.																			
6. SCOTLAND, WEST ...	69	21	84·6	78·2	81·3	− 0·8	495	−126	82	+ 11	62	+13	17·47	445	+134	2·8	−0·1	26	1010
7. ENGLAND, N.W.	74	20	85·1	79·4	82·1	− 0·7	608	− 87	72	+ 22	56	+ 8	13·13	334	+ 96	3·1	0·0	29	1011
8. ENGLAND, S.W.	72	21	85·9	80·1	82·9	− 0·7	709	− 94	47	+ 8	61	+12	12·88	330	+ 63	3·5	0·0	33	1014
9. IRELAND, NORTH ...	68	23	84·8	78·6	81·6	− 0·9	520	−139	51	− 5	64	+10	13·28	336	+ 91	3·0	0·0	28	1008
10. IRELAND, SOUTH ...	72	19	85·7	79·4	82·5	− 0·7	655	−107	42	− 4	60	+11	13·95	356	+106	3·2	−0·2	30	1012
11. ENGLISH CHANNEL ...	74	33	87·3	82·6	84·9	− 0·6	969	− 79	6	+ 3	58	+ 6	10·07	256	+ 12	4·3	0·0	40	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 47 Weeks, December 30th, 1917, to November 23rd, 1918.

0. SCOTLAND, NORTH ...	77	5	83·9	77·9	80·8	− 0·1	1919	−142	607	− 26	218	− 1	49·36	1250	+128	3·2	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·7	77·3	80·9	− 0·2	2116	−166	766	+ 28	188	+ 2	27·94	708	+ 7	3·8	−0·1	30	1012
2. ENGLAND, N.E.	84	9	85·9	78·9	82·3	+ 0·2	2709	+ 75	477	− 60	162	− 6	21·51	546	− 18	4·2	0·0	33	1014
3. ENGLAND, EAST ...	92	14	86·8	78·9	82·7	0·0	2978	− 49	483	− 79	157	− 6	23·38	596	+ 58	4·7	0·0	37	1016
4. MIDLAND COUNTIES ...	89	12	86·9	78·7	82·6	+ 0·2	2957	+ 39	513	−102	160	− 2	25·19	640	+ 41	4·1	0·0	32	1016
5. ENGLAND, S.E.	90	15	87·2	79·6	83·2	− 0·1	3192	− 51	412	− 16	155	− 4	26·59	675	+ 65	4·9	+0·1	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·5	78·6	81·9	0·0	2491	− 33	456	− 31	202	+ 8	43·83	1115	+ 74	3·9	−0·1	31	1014
7. ENGLAND, N.W.	84	12	86·0	79·5	82·6	+ 0·1	2805	+ 48	352	− 80	176	− 2	32·83	836	+ 48	4·3	+0·1	34	1015
8. ENGLAND, S.W.	82	16	86·6	79·9	83·2	+ 0·1	3029	− 44	303	− 37	175	− 3	33·86	865	+ 12	4·8	+0·2	38	1016
9. IRELAND, NORTH ...	80	18	85·7	79·2	82·4	+ 0·1	2618	− 13	328	− 68	209	− 4	33·79	855	− 1	3·8	0·0	30	1013
10. IRELAND, SOUTH ...	84	19	86·8	79·9	83·2	+ 0·1	3069	+ 27	259	− 47	198	+ 9	37·74	959	+ 72	4·3	+0·1	34	1015
11. ENGLISH CHANNEL ...	85	26	87·3	81·8	84·4	− 0·1	3593	− 45	97	− 11	172	−13	25·12	640	− 75	5·8	+0·3	47	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: November 28th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:— IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 48.

THE FORTY-EIGHTH WEEK OF 1918.

SUNDAY, NOVEMBER 24TH, TO SATURDAY, NOVEMBER 30TH, 1918.

Price 6d., Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather during the week was mild, dull and damp. A region of high pressure remained stationary between the Azores and Western Europe while depressions passed north-eastward over or to the north-west of the British Isles. The wind current was mostly from between south and west, increasing at times to a strong breeze on the western and northern coasts. The mean temperature was above the normal in all districts, the excess being least in the north-eastern districts and greatest in the south-west. The range of the daily maxima was generally very small, especially in south-western England and southern Ireland, where at some coast stations the range was not more than 1 a. or 2 a.—at about 284 a. or 285 a. In central Scotland, however, on the 30th, the maxima were about 278 a. The night of the 25th–26th was generally the coldest of the week, the minima being below the freezing point in most districts. The lowest readings were 269 a. at Balmoral and West Linton, 270 a. at Armagh and 271 a. at Tenbury, Marlborough and Rhayader. Grass minima of 267 a. were registered in different parts of the United Kingdom. Although the number of rain-days was large—six in most districts—the total fall was below the normal generally, the principal exceptions being Scotland West and the English Channel, where there were excesses of 7mm. and 14mm. respectively. At Ford (Argyll) 26mm. fell on the 27th, and at Beddgelert (Snowdonia) the total fall for the two days, 27th and 28th, was 54mm. Wet fog prevailed very frequently, and in London on Friday especially the day was very dark and gloomy. There were, however, some notable exceptions when the weather remained fine and bright all day; on the 25th some stations in eastern Ireland had more than 6 hours of bright sunshine, and on the 30th in the east and south of England some of the records were as much as 4½ or 5 hours. Aurora was seen on the 28th or 29th in many parts of Scotland, at Tenbury, at Clifton (Bristol) and also at Seskin (Carrick-on-Suir). The Observer at Rothesay described it as very fine, with beautiful pink colouring.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 24.)*	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	4·4	15	3·1	15	2·0	10	1·7	15	3·9	9	4·2	22	4·0	20	3·9
North	0	—	3	1·1	2	2·6	5	0·8	7	2·6	10	3·2	2	0·5	2	2·2
West	9	1·2	16	3·7	8	2·3	17	1·7	18	5·8	18	6·9	19	6·0	16	5·1
East	11	2·4	2	0·8	9	2·5	1	2·8	4	1·3	5	2·2	3	1·0	7	2·1
Calm	2	—	7	—	10	—	10	—	3	—	0	—	1	—	5	—

* Four hours record lost.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ...	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy
Sunshine ...	Abundant	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 13 weeks from Sept. 1st, 1918. Warmth ...	1, 6, 6	1, 6, 6	2, 6, 5	3, 6 4	2, 7, 4	3, 5, 5	2, 4, 7	2, 5, 6	2, 6, 5	1, 6, 6	1, 7, 5	3 5, 5
Rainfall ...	5, 3, 5	6, 3, 4	3, 6, 4	6, 2 5	5, 3, 5	5, 4, 4	7, 2, 4	6, 4, 3	4, 5, 4	7, 2, 4	6, 3, 4	4, 7, 2
Sunshine ...	6, 4, 3	6, 5, 2	3, 7, 3	3, 4, 6	3, 5, 5	3, 6, 4	2, 7, 4	5, 4, 4	3, 6, 4	6, 4, 3	3, 4, 6	4, 5 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 ('0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour

20704—19.) W. 199—789. 600. 12/18. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.		Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.		Ft.	°F.		°F.		°F.	°F	°F.	°F		in	mm.	mm.
a, Islands	a Lerwick	54	47	30th	40	24, 27, 28	45·7	41·3	43·5	+ 2·3	7	0·91	23	− 7
	p Deerness	160	48	24, 25	39	30th	47·0	42·1	44·6	—	2	0·16	[illegible]	− 23
	a Stornoway	51	51	30th	38	25, 30	48·3	40·3	44·3	+ 3·0	7	0·71	18	− 22
	a Castlebay, Barra Isd.	37	51	26	38	24	49·4	43·3	46·4	—	6	0·51	13	—
b, Mainland.	a Wick	81	50	30th	36	29, 30	47·0	40·0	43·5	+ 3·1	3	0·17	4	− 17
	p Glencarron	500	48	26	32	30	46·0	35·9	41·0	+1·7	5	1·02	26	− 40
	a Fort Augustus	68	49	26, 29	26	30th	46·9	34·6	40·8	+ 0·8	3	0·43	11	− 23
	p Fort William	171	49	29th	28	30th	46·9	37·3	42·1	+ 1·0	6	1·41	36	− 24
1. SCOTLAND, E.														
	a Nairn	82	53	30th	31	30th	47·0	34·6	40·8	+ 1·2	6	0·20	5	− 8
	p Gordon Castle	101	52	24th	35	29, 30	47·6	37·3	42·5	+ 1·9	4	0·32	8	− 7
	a Aberdeen	46	48	24, 25, 27	32	28, 29	47·3	36·1	41·7	+ 1·2	4	0·14	4	− 13
	a Balmoral	930	47	24, 29	25	30th	43·9	29·9	36·9	+ 0·1	4	0·19	5	− 14
	p Crieff	432	47	27th	33	27th	44·1	36·3	40·2	+ 0·5	7	0·51	13	− 12
	a Dundee	244	49	30th	31	27th	44·9	32·7	38·8	− 0·9	4	0·43	11	− 3
	a Leith	30	53	30th	36	26th	48·3	39·0	43·7	+ 1·9	6	0·36	9	− 2
	p Edinburgh	441	50	24th	37	26th	46·4	40·6	43·5	+ 2·8	5	0·25	6	− 6
	a West Linton	769	50	24th	25	26th	46·0	34·9	40·5	+ 4·0	5	0·60	15	—
	p Marchmont	498	—	—	—	—	—	—	—	—	—	—	—	—
6. a. SCOTLAND, W.														
	a Ford (Argyll)	149	49	25, 29	33	26, 30	47·5	39·2	43·4	—	6	2·80	71	—
	p Glasgow Observatory	180	48	24, 25, 29	33	30th	46·0	39·4	42·7	+ 1·4	7	1·11	28	+ 7
	p Rothesay	200	51	25th	36	30th	46·9	40·3	43·6	+ 1·3	7	2·00	51	+ 23
	a Kilmarnock	90	54	30th	28	30th	49·0	39·6	44·3	+ 3·9	6	0·91	23	+ 2
	a Colmonell	170	55	30th	31	30th	50·1	40·6	45·4	+ 3·3	6	0·69	18	− 11
	p Cally, Gatehouse	120	51	29th	28	30th	47·9	37·3	42·6	+ 1·7	6	1·92	49	+ 20
	p Dumfries	160	50	25, 29	28	30th	46·3	36·3	41·3	+ 0·5	6	0·45	12	− 8
	a Eskdalemuir	794	46	24th	30	26th	43·7	35·1	39·4	—	6	0·45	11	—
b. I. OF MAN	p Douglas	277	51	29th	36	30th	49·1	41·3	45·2	+ 1·5	6	1·89	48	+ 21
2. ENGLAND, N.E.														
a North	a Alnwick Castle	210	52	30th	27	24th	47·3	35·1	41·2	+ 0·4	4	0·28	7	− 13
	a Tynemouth	71	48	25th	33	24th	46·3	38·9	42·6	+ 1·1	3	0·17	4	− 11
	p Durham	336	48	27th	31	26th	44·7	37·1	40·9	+ 0·8	5	0·24	6	− 8
	p Rounton	249	48	24th	32	26th	45·6	37·9	41·8	+ 1·8	6	0·33	9	− 6
	a West Witton	605	51	30th	30	24, 26	46·1	36·0	41·1	—	6	0·13	3	—
	p Scarborough	100	49	27, 28	42	26-28	47·9	42·7	45·3	+ 3·2	6	0·45	11	− 5
	p York	56	49	24th	34	27th	46·1	39·1	42·6	+ 1·5	6	0·36	9	− 6
b. South	a Spurn Head	26	46	24, 27	39	24th	45·3	41·3	43·3	+ 0·9	7	0·47	12	− 1
	a Lincoln	58	48	24th	33	24th	46·3	38·9	42·6	+ 1·8	7	0·79	20	+ 6
	a Fulbeck	180	49	24th	34	26th	46·0	37·9	42·0	+ 1·1	7	0·65	17	+ 2
3. ENGLAND, E.														
	p Cromer	196	48	24th	37	24, 28	46·1	39·4	42·8	+ 0·9	7	0·41	11	− 2
	a Little Massingham	280	47	24, 28	33	30th	45·7	37·0	41·4	+ 1·0	7	0·65	17	0
	a Yarmouth	13	49	24th	37	24th	46·4	40·6	43·5	+ 1·7	4	0·16	4	− 11
	a Norwich	93	48	24th	33	24th	45·6	39·1	42·4	+ 1·5	7	0·61	15	− 1
	a Geldeston	37	50	24th	29	24th	47·3	37·0	42·2	+ 0·5	7	0·38	10	− 5
	p Cambridge	41	51	28, 29	34	24th	48·9	38·9	43·9	+ 2·9	6	0·78	20	+ 8
	a Clacton-on-Sea	54	50	28th	39	28th	47·4	42·1	44·8	+ 2·9	5	0·43	11	− 1
	a Rothamsted	424	51	28th	31	26th	48·3	36·9	42·6	+ 1·8	7	0·79	20	+ 3
	p Tottenham	51	52	28, 29	33	24th	49·4	38·7	44·1	—	6	0·55	14	—
4. MIDLAND COUNTIES.														
a North	a Harrogate	479	48	30th	32	24th	45·9	37·1	41·5	+ 1·5	5	0·26	7	− 10
	p Sheffield	429	49	24, 27, 29	35	26th	47·1	40·6	43·9	—	5	0·35	9	—
	p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—
b. East	a Bawtry	65	51	24th	29	26th	47·3	37·4	42·4	+ 1·8	6	0·33	8	− 4
	a Nottingham	82	51	24, 28	30	24, 26	48·3	35·7	42·0	+ 1·0	7	0·68	17	+ 4
	p Birmingham, Edgbsn.	535	52	28, 29	36	26th	48·3	39·6	44·0	+ 2·9	5	0·46	12	+ 3
	a Raunds	203	52	28th	32	26th	48·4	37·1	42·8	+ 2·6	5	0·72	18	+ 4
	p Oxford	208	52	28th	31	26th	49·0	38·6	43·8	+ 2·1	6	0·52	13	− 1
c. West	a Cheadle (N. Staffs.)	646	50	28th	32	26th	47·0	37·9	42·5	+ 2·6	7	1·37	35	+ 16
	p Tenbury	313	54	29th	28	26th	49·4	35·1	42·3	+ 0·4	5	0·17	4	− 9
	p Ross-on-Wye	201	54	28, 29	30	26th	50·9	37·1	44·0	+ 2·4	6	0·19	5	− 11
	a Clifton	228	53	28, 29	35	26th	51·1	42·1	46·6	+ 3·6	6	0·44	11	− 13
5. ENGLAND, S.E.														
	a Marlborough	424	52	29th	28	26th	49·9	36·1	43·0	+ 2·5	7	0·76	19	+ 1
	p Salisbury (Wilton)	180	53	28, 29	28	26th	50·6	35·6	43·1	+ 1·8	6	0·96	24	+ 3
	a Wisley, Surrey	150	54	24th	31	26th	50·4	39·4	44·9	+ 3·3	6	0·36	9	− 4
	a Tunbridge Wells	354	51	27-29	32	26th	49·4	39·0	44·2	+ 2·3	5	0·46	12	− 7
	a Margate	51	51	24, 28	40	24, 27, 30	48·4	41·3	44·9	+ 1·5	6	0·35	9	− 4
	a Dungeness	21	51	24, 27-29	33	26th	50·0	40·4	45·2	+ 1·5	4	0·33	8	− 7
	p St. Leonards	178	52	29th	38	26th	50·6	42·1	46·4	+ 2·6	6	0·45	11	− 6
	p Southampton	64	54	29, 30	38	29th	51·4	41·3	46·4	+ 2·8	5	0·76	19	0
	a Ventnor	59	51	29th	40	26th	52·3	44·7	48·5	+ 2·8	5	0·57	15	− 3
LONDON.	p Richmond (Kew Obs.)	18	52	28, 29	33	24, 26, 27	49·6	37·7	43·7	+ 1·5	6	0·54	14	+ 2
	a Westminster	27	53	29th	34	26th	50·3	40·3	45·3	+ 2·0	7	0·61	15	+ 3
	ag Greenwich	149	53	24th	32	26th	50·0	39·4	44·7	+ 2·3	7	0·61	15	+ 2
	a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—
	ag Camden Square	110	52	24, 28, 29	33	26th	49·9	39·4	44·7	+ 2·4	7	0·73	19	+ 6
7. a. ENGLAND, N.W.														
	p Aspatria (Mealsgate)	487	48	24th	34	30th	45·7	38·1	41·9	+ 1·1	5	0·50	13	− 14
	p Newton Rigg	559	50	25th	26	30th	46·9	33·0	40·0	+ 0·8	6	0·24	6	− 18
	p Stonyhurst	375	50	30th	33	26th	47·4	39·4	43·4	+ 2·4	6	1·59	40	+ 11
	p Blackpool	66	49	24, 27, 28	31	30th	48·3	38·9	43·6	+ 1·5	6	1·16	29	+ 8
	a Southport	37	50	24th	33	26, 30	47·9	39·6	43·8	+ 1·7	6	1·08	27	+ 7
	a Liverpool (Bidston)	188	51	28th	33	26th	48·4	38·7	43·6	+ 0·8	7	0·95	24	+ 8
	a Hawarden Bridge	22	55	30th	33	26th	51·1	40·1	45·6	+ 2·3	6	1·02	26	+ 12
	p Manchester (Whit. Pk.)	125	50	28th	37	26th	47·7	41·3	44·5	+ 2·4	6	0·93	24	+ 6
b. NORTH WALES.														
	p Llandudno	16	52	26, 29	36	30th	50·1	41·1	45·6	+ 1·0	5	0·86	22	+ 2
	a Holyhead	15	53	28th	37	30th	51·1	44·0	47·6	+ 2·5	6	0·95	24	− 2
	a Beddgelert	309	53	28, 29	29	30th	50·0	39·7	44·9	—	6	3·33	85	—
	a Aberdovey	23	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%.		°F.	°F.	°F	°F.	°F.
Deerness	1·7	+ 0·8	25	•	•	•	•	•	•
Stornoway	1·2	+ 0·2	17	•	•	•	•	•	•
Castlebay	0·7	—	10	•	•	•	•	•	•
Fort Augustus	—	—	—	•	•	•	•	•	•
Nairn	1·9	—	27	•	•	•	•	•	•
Gordon Castle	2·0	—	29	•	•	•	•	•	•
Aberdeen	1·1	− 0·2	15	5	22	•	•	43·5	−0·5
Balmoral	•	•	•	6	22	•	•	•	•
Crathes	1·0	− 0·3	14	5	21	37·4	−1·8	42·0	−1·1
Dundee	1·2	—	16	6	27	37·0	•	•	•
Leith	—	—	—	1	30	•	•	•	•
Edinburgh	1·3	− 0·2	18	1	30	•	•	•	•
West Linton	0·9	—	12	2	22	•	•	•	•
Marchmont	—	—	—	•	•	•	•	•	•
Ford (Argyll)	•	•	•	2	25	42·6	•	45·1	•
Glasgow	1·0	+ 0·4	14	2	26	•	•	•	•
Rothesay	1·0	—	14	1	29	42·6	•	45·5	−5·0
Kilmarnock	1·2	—	16	•	•	41·8	•	45·0	•
Colmonell	•	•	•	1	28	•	•	•	•
Dumfries	1·6	—	21	2	20	39·9	+0·2	44·1	−0·2
Eskdalemuir	1·0	—	13	2	27	•	•	•	•
Douglas	2·1	+ 0·6	27	1	30	•	•	•	•
Cockle Park	0·5	− 1·2	7	1	27	38·8	+0·6	42·2	−0·7
Durham	0·6	− 0·9	8	2	25	•	•	•	•
Rounton	•	•	•	3	24	40·5	•	•	•
West Witton	•	•	•	4	25	38·0	•	43·1	—
Scarborough†	0·4	− 0·9	5	•	•	•	•	48·5	—
York	0·4	− 0·6	5	•	•	41·9	−0·4	45·8	−1·0
Spurn Head	0·4	—	•	•	•	•	•	•	•
Lincoln	•	•	•	0	32	41·2	+1·0	45·7	−0·6
Rauceby	0·5	− 1·0	6	•	•	41·7	+0·4	46·4	−0·8
Skegness	0·9	− 0·9	11	•	•	•	•	•	•
Cromer	0·7	− 0·8	9	•	•	•	•	•	•
Lit. Massingham	0·7	− 0·6	9	•	•	•	•	•	•
Yarmouth	0·2	—	3	0	32	44·6	+2·7	48·3	+1·0
Norwich	0·6	—	8	2	27	39·9	•	•	•
Geldeston	0·3	− 1·3	4	•	•	•	•	•	•
Cambridge	0·9	− 0·6	11	2	28	42·9	+0·8	46·7	−0·7
Clacton	0·8	− 0·9	10	0	31	46·0	+0·5	48·7	+0·1
Rothamsted	0·5	− 1·0	6	3	26	42·4	•	•	•
Tottenham	0·1	—	1	0	32	•	•	48·0	−0·7
Harrogate	0·4	− 1·0	5	2	25	41·2	0·0	43·3	−0·7
Sheffield	0·4	− 0·9	5	1	28	41·1	−0·2	45·5	−1·0
Buxton	—	—	—	—	—	—	—	—	—
Worksop	0·1	− 1·1	1	5	22	40·6	•	43·9	•
Nottingham	0·1	− 1·0	1	1	29	40·8	+0·8	43·3	−1·4
Birmingham	0·6	− 0·5	8	2	22	43·7	+1·3	47·1	−0·5
Raunds	0·8	—	10	4	27	43·2	•	49·7	•
Oxford	0·6	− 1·0	7	3	23	•	•	•	•
Malvern	1·4	—	18	0	32	42·2	•	45·5	—
Cheadle	•	•	•	2	26	•	•	•	•
Tenbury	•	•	•	5	25	41·4	•	•	•
Ross-on-Wye	1·3	—	16	3	27	—	—	—	—
Clifton	1·4	—	17	1	30	•	•	•	•
Worthing	1·4	− 0·5	17	1	27	44·8	+0·9	49·1	+0·1
Marlborough	1·1	− 0·2	14	4	22	44·7	•	48·1	•
Salisbury	•	•	•	3	25	43·5	•	•	•
Wisley	0·7	− 0·7	9	4	23	43·1	+0·5	46·7	−0·6
Tunbridge Wells	0·6	− 1·0	7	3	23	45·2	+3·7	48·5	•
Margate	0·1	− 1·4	1	0	36	45·7	+0·8	48·9	+1·1
Folkestone	0·6	—	7	•	•	•	•	49·0	•
St. Leonards	1·2	− 0·7	14	0	31	44·6	•	49·0	•
Southampton	1·3	− 0·3	16	1	29	•	•	•	•
Ventnor	1·3	− 0·6	16	•	•	•	•	•	•
Richmond	0·5	− 0·8	6	4	23	42·1	−0·3	46·6	−1·2
Westminster	0·4	− 0·3	5	2	28	•	•	•	•
Greenwich	0·9	− 0·4	11	3	24	•	•	•	•
Hampstead	—	—	—	—	—	•	•	•	•
Camden Square	0·1	− 0·7	1	0	32	•	•	•	•
Aspatria	0·5	− 0·9	7	2	29	41·7	+0·3	44·9	−1·7
Newton Rigg	0·6	− 0·7	8	5	22	40·1	−0·5	43·9	−0·8
Stonyhurst	0·4	− 0·7	5	1	28	•	•	•	•
Blackpool	1·5	+ 0·1	19	3	23	43·3	•	47·4	•
Southport	1·6	+ 0·3	21	2	27	40·7	+0·8	44·2	−0·4
Hoylake	0·9	− 0·6	11	•	•	•	•	•	•
Liverpool	1·1	—	14	0	31	•	•	•	•
Manchester (City)	0·0	− 0·4	0	2	29	41·8	+1·0	46·9	−0·2
Whitworth Park	—	—	—	•	•	•	•	•	•
Llandudno	1·2	− 0·4	15	•	•	•	•	•	•
Holyhead	1·6	—	20	1	29	•	•	•	•
Aberdovey	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	52	24, 28	35	30th	50·1	44·0	47·1	—	6	0·86	22	—	Aberystwyth ..	1·2	− 0·4	15	*	*	*	*	*	*
a Rhayader	757	52	28, 30	28	30th	49·3	39·3	44·3	—	7	1·08	28	—	Rhayader ..	1·1	—	14	2	21	*	*	*	*
a St. Ann's Head ..	149	53	29, 30	40	30th	52·6	47·1	49·6	+ 3·8	6	1·22	31	+ 7	St. Ann's Head ..	0·8	− 0·8	10	*	*	*	*	*	*
p Cardiff	202	52	29th	34	30th	49·0	39·1	44·1	+ 2·0	6	0·71	18	− 8	Cardiff	1·3	—	16	3	23	43·5	+0·8	47·8	+0·1
b. ENGLAND, S.W.																							
a Bath	86	54	28th	31	30th	52·0	41·0	46·5	+ 4·3	6	0·51	13	− 5	Bath	*	*	*	*	*	45·2	+1·2	49·3	+0·3
a Shaftesbury	722	51	28, 29	36	30th	48·7	40·4	44·6	+ 3·3	4	0·68	17	− 2	Shaftesbury ..	*	*	*	*	*	44·6	*	47·7	*
a Arlington	613	51	28th	33	30th	49·6	41·5	45·6	+ 3·2	6	2·29	58	+ 23										
a Hartland Quay ..	100	54	30th	46	26, 30	52·6	48·1	50·4	—	7	1·06	27	—										
a Newquay	190	53	28, 30	43	24th	52·1	46·1	49·1	+ 2·6	7	1·35	34	+ 11	Newquay ..	0·8	− 1·1	10	0	40	48 5	*	50·3	*
a Cullompton	202	53	26, 28, 29	29	30th	51·6	40·1	45·9	+ 3·3	7	0·96	25	+ 3	Cullompton ..	0·6	− 0·9	7	3	23	45·6	*	*	*
a Portland Bill	19	53	25, 28, 29	43	30th	51·9	47·4	49·7	+ 3·5	7	0·39	10	− 6	Weymouth ..	1·2	—	14	*	*	*	*	*	*
p Plymouth	118	54	26, 28	43	30th	52·0	45·9	49·0	+ 3·7	7	0·90	23	− 1	Plymouth ..	1·0	− 0·8	12	0	35	47·0	+1·3	49·9	*
a Falmouth	167	54	24, 26, 29	44	24, 25	53·3	46·6	50·0	+ 3·8	7	1·20	31	0	Falmouth ..	0·8	− 1·2	16	0	40	49·5	*	50·9	*
9. IRELAND, N.																							
a West .. { *a* Malin Head	206	53	30th	39	30th	49·6	42·3	46·0	+ 2·3	5	0·63	5		Malin Head ..	0·9	—	12	*	*	*	*	*	*
a Blacksod Point ..	327	54	30th	40	24, 30	50·7	42·7	46·7	+ 1·8	6	0·95	24	− 7	Markree Castle	1·1	− 0·2	14	1	27	45 2	+1·7	48·0	−0·3
p Markree Castle ..	122	54	28, 29	32	30th	51·4	37·7	44·6	+ 2·9	7	0·89	23	− 2										
b. East .. { *p* Armagh	196	53	29th	26	30th	49·7	37·6	43·7	+ 2·1	5	0·59	15	− 1	Armagh	2·1	+ 0·7	27	1	23	44·4	+2·0	46·9	+0·1
{ *a* Donaghadee	101	54	30th	37	30th	50·1	40·4	45·3	+ 2·2	6	1·70	23	+ 26										
											0·63	16	− 1										
10. IRELAND, S.																							
p Dublin, City	47	54	28, 29	37	30th	50·9	42·0	46·5	+ 3·7	4	0·54	14	0	Trinity Coll. ..	*	*	*	1	30	45·7	+2·3	47·4	+0·3
a Birr Castle	175	55	30th	32	30th	51·6	38·4	45·0	+ 3·4	6	0·88	22	+ 5	Phœnix Park ..	2·0	+ 0·3	25	4	28	*	*	*	*
a Kilkenny	212	55	28, 30	30	30th	52·1	36·7	44·4	+ 2·4	7	0·49	13	− 5	Dublin City ..	*	*	*	0	35	*	*	*	*
a Waterford	120	55	28th	35	30th	52·3	41·3	46·8	+ 3·1	6	0·58	15	− 7	Birr Castle ..	0·4	− 1·2	5	2	29	*	*	*	*
p Seskin, Carrick-on-Suir	541	54	28th	36	30th	50·3	40·6	45·5	—	6	0·48	12	—	Seskin	1·2	—	15	1	30	*	*	*	*
a Cahir	199	56	28th	31	30th	52·9	39·6	46·3	+ 4·0	6	0·47	12	—										
a Foynes	50	55	28th	39	30th	53·1	44·1	48·6	+ 4·8	6	0·90	23	− 1										
a Cahirciveen (Val. Obs.)	30	55	25, 30	41	24th	53·4	48·1	49·8	+ 3·6	7	1·07	27	− 6	Cahirciveen ..	1·0	− 0·5	13	0	33	*	*	*	*
a Killarney	174	58	28th	43	27th	54·7	46·1	50·4	+ 6·0	7	0·86	22	− 13	Ballinacurra ..	1·4	− 0·1	17	*	*	*	*	*	*
a Roche's Point	32	55	28	44	28	52·4	44·9	48·7	+ 3·2	3	0·63	16	− 10										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	28th	47	26th	53·0	48·9	51·0	+ 2·8	7	1·46	37	+ 14	Scilly	1·3	− 0·8	16	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	55	27-29	45	24, 30	53·6	47·4	50·5	+ 3·8	7	1·74	44	+ 19	St. Heliers ..	0·9	− 0·0	11	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	54	26, 27, 29	46	30th	52·6	47·7	50·2	+ 3·5	7	1·46	37	+ 10	Guernsey† ..	1·0	− 0·7	12	0	43	49·0	+1·5	51·1	−0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 30th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	26	11	31	102	24	0	157	17	26	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	50	113	0	225	7	30	24	16	30	23	35
Aberdeen	153	105	52	—	—	—	—	10	43	115	0	191	9	30	22	17	30	23	40
Edinburgh	485	39	31	—	—	30	2	27	101	38	0	203	13	30	24	19	30	23	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	11	55	102	0	210	7	27	18	12	27	19	50
Paisley	188	81	15	—	—	—	—	2	83	83	0	191	9	30	24	17	30	23	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	1	39	128	0	247	6	28	3	12·	28	3	10
South Shields	72	61	12	—	—	—	—	1	56	111	0	214	6	30	20	12	30	20	45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	7	104	57	0	135	7	30	22	—	—	—	—
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	2	87	70	0	135	6	30	21	10	28	12	15
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	3	163	2	0	—	6	26	19	9	28	18	45
Brighton	281	53	6	—	—	—	—	15	130	23	0	—	7	28	11	11	28	11	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	28	1	55	112	0	0	290	11	28	14	14	28	14	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	90	78	0	225	4	28	11	8	28	11	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	3	52	113	0	169	6	30	23	12	30	22	45
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	23	108	12	25	157	10	30	23	—	—	—	—
Southport	80	62	48	—	—	—	—	72	88	8	0	157	10	30	24	15	30	23	10
Holyhead	60	40	‡	—	—	—	—	101	49	18	0	281	11	25	2	16	27	17	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	24, 28	2	78	73	15	0	270	11	28	12	16	28	11	50
Plymouth	185	88	3	—	—	—	—	6	113	49	0	—	8	24	9	12	24	7	20
Lyme Regis	556	61	‡	—	—	—	—	12	102	50	4	—	11	28	14	14	28	13	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	25, 27, 28, 30	15	78	62	13	0	259	14	25	2	—	—	—	—
Quilty	100	40	‡	—	—	24, 28	2	99	41	19	7	—	11	28	1	17	24	19	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	94	45	29	0	160	10	24	3	17	27	22	5
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	24, 25, 28	10	103	49	6	0	293	13	24	22	17	24	20	0

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1918—November 24th to November 30th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	26	81·3	76·7	79·0	+ 1·4	19	+ 7	9	− 15	5	0	0·73	18	− 21	1·5	+0·6	21	1006
Eastern.																			
1. SCOTLAND, EAST ...	53	25	80·9	74·9	77·9	+ 0·7	12	0	26	− 4	5	+ 1	0·33	8	− 9	1·3	+0·1	18	1007
2. ENGLAND, N.E.	52	27	80·9	76·8	78·8	+ 0·6	17	+ 2	9	− 11	6	+ 2	0·42	11	− 4	0·6	−0·9	7	1010
3. ENGLAND, EAST ...	52	29	81·4	76·8	79·2	+ 1·0	21	+ 4	9	− 12	6	+ 2	0·53	13	− 2	0·5	−1·0	7	1012
4. MIDLAND COUNTIES ...	54	28	82·2	76·2	79·2	+ 1·3	26	+ 10	12	− 12	6	+ 2	0·51	13	− 4	0·6	−0·7	8	1012
5. ENGLAND, S.E.	54	28	83·2	77·3	80·2	+ 1·1	30	+ 8	6	− 9	6	+ 2	0·55	14	− 4	0·9	−0·7	11	1012
Western.																			
6. SCOTLAND, WEST ...	55	28	81·8	77·1	79·4	+ 0·8	23	+ 6	8	− 10	6	+ 1	1·47	37	+ 7	1·6	+0·4	20	1009
7. ENGLAND, N.W.	55	26	82·2	77·0	79·6	+ 0·8	25	+ 6	8	− 6	6	+ 1	0·90	23	− 1	0·9	−0·4	11	1010
8. ENGLAND, S.W.	54	28	83·5	79·0	81·3	+ 1·7	34	+ 9	0	− 12	6	+ 1	0·99	25	− 1	0·9	−0·8	11	1012
9. IRELAND, NORTH ...	55	26	83·3	77·4	80·3	+ 1·4	31	+ 11	6	− 9	6	+ 1	0·94	24	21	1·6	+0·2	21	1007
10. IRELAND, SOUTH ...	58	30	84·4	78·4	81·4	+ 1·8	37	+ 10	1	− 12	6	+ 1	0·72	18	− 6	1·2	−0·4	15	1010
11. ENGLISH CHANNEL ...	55	45	84·7	81·9	83·3	+ 1·7	60	+ 20	0	− 2	7	+ 2	1·55	39	+ 14	1·1	−0·8	13	1014

THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, September 1st to November 30th, 1918.

0. SCOTLAND, NORTH ...	64	22	83·2	77·3	80·2	− 0·8	378	−153	102	− 16	67	+ 4	17·93	454	+ 85	2·5	+0·2	24	1006
Eastern.																			
1. SCOTLAND, EAST ...	68	15	83·5	76·4	79·9	− 1·1	396	−160	175	+ 24	60	+ 8	9·91	250	+ 33	3·0	+0·2	29	1007
2. ENGLAND, N.E.	72	25	84·9	78·6	81·6	− 0·5	602	− 70	92	+ 7	54	+ 6	7·79	199	+ 22	3·0	−0·1	29	1011
3. ENGLAND, EAST ...	74	24	85·8	79·0	82·3	− 0·4	710	− 60	81	− 8	56	+ 9	8·60	212	+ 45	3·2	−0·2	31	1013
4. MIDLAND COUNTIES ...	70	21	85·2	78·2	81·6	− 0·5	638	− 60	123	+ 6	57	+10	9·76	247	+ 60	2·9	−0·1	28	1013
5. ENGLAND, S.E.	72	24	86·4	79·7	83·0	− 0·3	807	− 47	65	+ 1	56	+ 9	10·26	261	+ 42	3·5	−0·1	34	1013
Western.																			
6. SCOTLAND, WEST ...	69	21	84·3	78·1	81·1	− 0·7	518	−120	90	+ 1	68	+14	18·94	482	+141	2·7	−0·1	26	1010
7. ENGLAND, N.W.	74	20	84·9	79·2	81·9	− 0·6	633	− 81	80	+ 16	62	+ 9	14·03	357	+ 95	2·9	0·0	28	1011
8. ENGLAND, S.W.	72	21	85·7	80·0	82·8	− 0·5	743	− 85	47	− 4	67	+13	13·87	355	+ 62	3·3	−0·1	31	1013
9. IRELAND, NORTH ...	68	23	84·7	78·5	81·5	− 0·7	551	−128	57	− 14	70	+11	14·22	360	+ 93	2·9	+0·1	28	1008
10. IRELAND, SOUTH ...	72	19	85·6	79·3	82·4	− 0·5	692	− 97	43	− 16	66	+12	14·67	374	+100	3·0	−0·2	29	1012
11. ENGLISH CHANNEL ...	74	33	87·1	82·5	84·8	− 0·4	1029	− 59	6	+ 1	65	+ 8	11·62	295	+ 26	4·0	−0·1	38	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 48 Weeks, December 30th, 1917, to November 30th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·9	77·8	80·7	− 0·2	1938	−135	616	− 41	223	− 1	50·09	1268	+107	3·2	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·6	77·2	80·8	− 0·2	2128	−166	792	+ 24	193	+ 3	28·27	716	− 2	3·7	−0·2	30	1012
2. ENGLAND, N.E.	84	9	85·8	78·9	82·2	+ 0·2	2726	+ 77	486	− 71	168	− 4	21·93	557	− 22	4·1	−0·1	33	1014
3. ENGLAND, EAST ...	92	14	86·6	78·9	82·6	0·0	2999	− 45	492	− 91	163	− 4	23·91	609	+ 54	4·6	0·0	37	1016
4. MIDLAND COUNTIES ...	89	12	86·8	78·6	82·6	+ 0·3	2983	+ 49	525	−114	166	0	25·70	653	+ 37	4·0	−0·1	32	1016
5. ENGLAND, S.E.	90	15	87·1	79·5	83·2	0·0	3222	− 43	418	− 25	161	− 2	27·14	689	+ 61	4·8	0·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·4	78·6	81·9	0·0	2514	− 27	464	− 41	208	+ 9	45·30	1152	+ 81	3·9	−0·1	31	1014
7. ENGLAND, N.W.	84	12	85·9	79·5	82·6	+ 0·2	2830	+ 54	360	− 86	182	− 1	32·73	859	+ 47	4·2	+0·1	34	1014
8. ENGLAND, S.W.	84	16	86·5	79·9	83·1	0·0	3063	− 35	303	− 49	181	− 2	34·85	890	+ 11	4·8	+0·3	38	1016
9. IRELAND, NORTH ...	82	16	86·5	79·2	82·3	+ 0·1	2649	− 2	334	− 77	215	− 3	34·73	876	+ 1	3·8	+0·1	30	1013
10. IRELAND, SOUTH ...	84	19	86·8	79·9	83·2	+ 0·1	3106	+ 37	260	− 59	204	+10	38·46	977	+ 66	4·2	0·0	34	1015
11. ENGLISH CHANNEL ...	85	26	87·2	81·8	84·4	0·0	3653	− 25	97	− 13	179	−11	26·67	679	−61	5·8	+0·4	46	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: December 5th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. *Vol. XXXV. (New Series.)* } No. 49.

THE FORTY-NINTH WEEK OF 1918.

SUNDAY, DECEMBER 1ST, TO SATURDAY, DECEMBER 7TH, 1918.

Price 6d., Post free 6½d
Annual Subscription (including the Monthly Weather Report), £1 1s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout the week barometric pressure was high over south-western and central Europe and low over our western districts and the adjacent parts of the Atlantic. The prevailing winds were mostly from between South and West; light in force in the east, increasing to fresh breezes more to the westward, and attaining gale force on several occasions in the extreme north and north-west. The air supply being drawn from the tropical Atlantic, the weather of the week was characterised by unusual warmth, overcast skies, and moderate rainfall. The excess of the mean temperature over the normal was everywhere very large, about 5 a. in most districts; the smallest excess, about 2·5 a., was in the Channel Islands. Absolute maxima of 288 a. or 289 a. were recorded in nearly all districts, and at a great number of stations the maximum was not lower than 283 a. (50° F.) on a single day. The observer at Norwich states that the value for the 3rd, 288 a., "is the highest temperature in December in 33 years," while at Seskin (Carrick-on-Suir) "such unusual warmth has not been registered since the observations began in 1902." Some of the nights also were abnormally warm, the thermometer not going below 283 a. at many southern stations; frost, even on the grass, was rarely experienced. The earth temperatures at one foot all show an excess above the normal, generally by as much as 2 a. to 3 a.; the values for the week approximate very closely to those at four feet, whereas at this season of the year they are usually much lower. The number of raindays was large, but as a rule the total rainfall for the week was below the normal. Heavy individual falls occurred, however, in Scotland West and England North-West at the beginning of the period and at Seskin at the end of the week; from Snowdonia floods were reported. About five hours of bright sunshine were recorded in England South-East on Saturday, but at some stations in other districts the week was sunless. A solar halo was seen at Oxford on the 7th, and there were displays of aurora at Aberdeen on the 1st and 3rd and at Armagh and Shoeburyness on the 7th.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	—	—	—	—	27	3·2	25	3·1	28	7·2	21	7·3	27	6·4	28	7·2
North	—	—	—	—	0	—	2	0·4	0	—	1	2·6	0	—	0	—
West	—	—	—	—	15	1·9	25	2·3	21	3·0	20	4·0	11	3·7	7	3·3
East	—	—	—	—	8	2·2	2	1·0	3	2·0	4	2·8	8	2·6	18	1·9
Calm	—	—	—	—	1	—	1	—	0	—	0	—	1	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

DISTRICTS OF THE BRITISH ISLES.

	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
Rainfall ...	Moderate	Light	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Heavy	Light
Sunshine ...	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 1 week from Dec. 1st, 1918. Warmth ...	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
Rainfall ...	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 0, 1
Sunshine ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour

(20820—19.) Wt. 199—789. 625. 12/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.												Grass Min.		Earth 1 ft.		Earth 4 ft	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	°/c.		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands — a Lerwick	54	49	4th	39	2nd	47·6	42·1	45·0	+ 5·1	6	0·94	24	− 8										
a, Islands — p Deerness	160	52	4th	42	1st	49·9	44·8	47·4	—	4	0·75	19	− 10	Deerness	0·8	0·0	13	•	•	•	•	•	•
a, Islands — a Stornoway	31	55	4th	44	1, 7	52·7	46·7	49·8	+ 9·9	7	1·22	31	− 12	Stornoway	0·0	− 0·9	0	•	•	•	•	•	•
a, Islands — a Castlebay, Barra Isd.	37	54	3rd	46	1st	52·4	48·4	50·5	—	7	0·80	20	—	Castlebay	0·1	—	1	•	•	•	•	•	•
b, Mainland — a Wick	81	54	4th	38	1st	50·3	43·6	47·1	+ 8·2	5	0·48	12	− 10	Fort Augustus	—	—	—	•	•	•	•	•	•
b, Mainland — p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland — a Fort Augustus	68	58	3, 5	30	1st	55·3	42·3	49·1	+10·4	4	0·82	21	− 17										
b, Mainland — p Fort William	171	59	4th	43	3, 5	53·1	45·0	49·2	+ 9·6	7	2·09	53	− 14										
1. SCOTLAND, E.																							
a Nairn	82	58	4th	30	1st	53·4	39·6	46·8	+ 8·7	4	0·13	3	− 15	Nairn	0·9	—	13	•	•	•	•	•	•
p Gordon Castle	101	59	4th	36	3rd	54·3	41·9	48·4	+ 9·3	3	0·22	6	− 15	Gordon Castle	1·0	—	15	•	•	•	•	•	•
a Aberdeen	46	54	1, 4	38	4th	51·1	43·1	47·3	+ 8·3	4	0·49	13	− 12	Aberdeen	0·7	− 0·7	10	0	31	•	•	43·2	−0·8
a Balmoral	930	56	4th	31	3rd	50·6	38·6	44·8	+ 9·5	4	0·13	3	− 24	Balmoral	•	•	•	1	29	•	•	•	•
p Crieff	432	55	1st	30	2nd	51·6	42·1	47·3	+ 9·3	7	0·81	21	− 14	Crathes	0·5	− 0·9	7	2	30	40·4	+1·2	41·6	−1·5
a Dundee	244	55	1st	33	1st	51·4	39·9	45·9	+ 7·8	4	0·34	9	− 11	Dundee	0·2	—	3	1	30	41·4	•	•	•
a Leith	30	58	1, 4	37	1st	55·0	45·7	50·5	+10·2	4	0·37	9	− 7	Leith	—	—	—	0	34	•	•	•	•
p Edinburgh	441	57	1, 4	43	1st	53·9	46·7	50·4	+11·2	6	0·27	7	− 10	Edinburgh	0·1	− 1·5	1	0	35	•	•	•	•
a West Linton	769	54	1st	31	1st	51·3	43·0	47·3	+12·2	6	0·73	19	—	West Linton	0·0	—	0	1	29	•	•	•	•
p Marchmont	498	53	4th	39	1st	51·0	43·4	47·4	+ 9·8	5	0·30	8	− 14	Marchmont	0·3	− 1·0	4	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	55	1st	36	1st	53·1	44·6	49·0	—	7	1·88	48	—	Ford (Argyll)	•	•	•	0	?	45·3	•	45·1	•
p Glasgow Observatory	180	54	1, 4	43	1st	52·6	47·7	50·3	+10·2	7	0·74	19	− 9	Glasgow	0·0	− 0·6	0	0	40	•	•	•	•
p Rothesay	200	55	1st	43	1st	51·7	46·4	49·2	+ 8·2	7	1·89	48	+ 10	Rothesay	0·0	—	0	0	39	45·7	•	46·0	+0·7
a Kilmarnock	90	55	1, 3	30	1st	53·1	45·7	49·6	+10·3	5	1·13	29	0	Kilmarnock	0·0	—	0	•	•	45·4	•	45·6	•
a Colmonell	170	56	1st	37	1st	53·4	46·3	50·0	+ 9·0	7	1·50	38	− 1	Colmonell	•	•	•	0	40	•	•	•	•
p Cally, Gatehouse	120	52	1, 3, 5	43	1st	51·1	46·3	48·8	+ 9·1	7	2·16	55	+ 16	Dumfries	0·1	—	1	1	29	44·6	+4·9	44·4	+0·1
p Dumfries	160	56	3rd	41	1st	52·9	46·9	50·0	+10·5	7	1·25	32	+ 4	Eskdalemuir	0·0	—	0	1	30	•	•	•	•
a Eskdalemuir	794	52	3, 4	33	1st	49·7	42·4	46·2	—	7	1·93	49	—										
b, I. OF MAN — p Douglas	277	54	1, 3	44	7th	52·4	47·9	50·2	+ 7·6	7	1·93	49	+ 14	Douglas	0·2	− 1·3	3	0	39	•	•	•	•
2. ENGLAND, N.E.																							
a North — a Alnwick Castle	210	56	1, 4	39	7th	52·4	43·6	48·2	+ 8·6	5	0·22	6	− 16										
a North — a Tynemouth	71	56	4th	42	1st	53·6	45·6	49·8	+ 9·5	3	0·24	6	− 10	Cockle Park	0·3	− 1·3	4	1	30	43·9	+5·7	43·6	+0·7
a North — p Durham	336	57	3, 5	39	1, 2, 7	54·3	42·7	48·7	+ 9·8	5	0·28	7	− 8	Durham	1·2	− 0·2	16	1	30	•	•	•	•
a North — p Rounton	249	57	4th	39	7th	53·4	44·7	49·2	+10·4	4	0·31	8	− 8	Rounton	•	•	•	1	30	44·0	•	•	•
a North — a West Witton	605	56	3rd	41	1st	53·0	45·7	49·5	—	4	0·24	6	—	West Witton	•	•	•	0	35	43·6	•	43·2	—
a North — p Scarborough	100	60	5th	44	1, 3	54·0	47·3	50·8	+10·0	4	0·46	12	− 6	Scarborough†	0·8	− 0·4	11	•	•	•	•	48·5	—
a North — p York	56	57	4th	39	1st	54·0	45·6	50·0	+10·2	5	0·74	19	+ 3	York	0·3	− 0·6	4	—	—	44·9	+2·6	45·9	−0·9
b, South — a Spurn Head	26	56	4th	38	1st	51·3	44·0	47·8	+ 8·7	5	0·63	16	+ 1	Spurn Head	1·1	—	15	•	•	•	•	•	•
b, South — a Lincoln	58	58	3, 4	38	1st	54·0	45·0	49·7	+10·3	3	0·48	12	− 4	Lincoln	•	•	•	0	34	45·1	+4·9	45·7	−0·6
b, South — a Fulbeck	180	58	3rd	37	1st	54·1	45·0	49·7	+10·2	7	0·31	8	− 9	Rauceby	1·0	− 0·4	13	•	•	45·8	+4·5	46·3	−0·9
														Skegness	1·3	− 0·5	17	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	58	3rd	37	1st	53·3	43·7	48·7	+ 7·7	7	0·28	7	− 7	Cromer	1·1	− 0·4	14	•	•	•	•	•	•
a Little Massingham	280	57	3rd	34	1st	51·3	42·3	47·0	+ 7·4	6	0·63	16	− 3	Lit. Massingham	0·9	− 0·4	12	•	•	•	•	•	•
a Yarmouth	13	58	3rd	39	1st	53·4	44·3	49·0	+ 8·2	5	0·25	6	− 11	Yarmouth	1·2	—	16	0	38	46·7	+4·8	48·9	+1·6
a Norwich	93	58	3rd	37	1st	53·0	44·4	48·9	+ 8·8	6	0·46	12	− 6	Norwich	1·1	—	14	0	33	44·3	•	•	•
a Geldeston	37	59	3rd	36	1st	54·3	43·1	48·9	+ 8·1	6	0·33	8	− 8	Geldeston	1·1	− 0·4	14	•	•	•	•	•	•
p Cambridge	41	59	3rd	36	1st	53·7	44·0	49·0	+ 8·9	4	0·33	9	− 5	Cambridge	0·9	− 0·5	12	0	31	46·1	+4·0	47·2	−0·2
a Clacton-on-Sea	54	56	3rd	41	1st	51·1	45·1	48·2	+ 7·3	5	0·38	10	− 3	Clacton	0·8	− 0·8	10	0	37	46·9	+2·4	48·9	+0·3
a Rothamsted	424	56	3rd	36	1st	51·6	44·6	48·2	+ 8·2	7	0·40	10	− 9	Rothamsted	0·4	− 1·0	5	0	31	45·8	•	•	•
p Tottenham	51	59	3rd	35	1st	54·1	47·1	50·7	—	5	0·37	9	—	Tottenham	0·0	—	0	0	31	•	•	48·2	−0·5
4. MIDLAND COUNTIES.																							
a North — a Harrogate	479	56	4th	39	1, 7	53·0	44·0	48·7	+ 9·8	5	0·86	22	+ 3	Harrogate	0·3	− 1·1	4	0	32	44·7	+3·5	44·4	+0·4
a North — p Sheffield	429	59	4th	40	1st	54·4	45·9	50·3	—	4	0·93	24	—	Sheffield	0·9	− 0·3	12	0	34	45·0	+3·7	45·5	−1·0
a North — p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East — a Bawtry	65	57	3, 4	38	1st	53·9	44·0	49·2	+ 9·7	4	0·65	17	+ 3	Worksop	0·5	− 0·6	7	1	28	44·8	•	44·6	•
b, East — a Nottingham	82	58	3rd	37	1st	54·0	44·6	49·5	+ 9·5	4	0·56	14	− 1	Nottingham	0·9	− 0·1	12	0	32	45·4	+5·4	44·2	−0·5
b, East — p Birmingham, Edgbsn.	535	57	3rd	38	1st	53·1	45·6	49·5	+ 9·5	4	0·46	12	− 5	Birmingham	0·3	− 0·7	4	0	31	47·2	+4·8	47·3	−0·3
b, East — a Raunds	203	58	3rd	36	1st	53·6	43·9	48·9	+ 9·8	5	0·23	6	− 9	Raunds	0·7	—	9	1	30	45·2	•	49·1	•
b, East — p Oxford	208	57	3rd	39	1st	53·7	46·9	50·4	+ 9·7	6	0·19	5	− 11	Oxford	0·8	− 0·7	10	0	36	•	•	•	•
														Malvern	0·5	—	6	0	32	46·3	•	46·3	—
c, West — a Cheadle (N. Staffs.)	646	58	4th	37	1, 7	52·9	43·1	48·2	+ 9·4	4	0·99	25	+ 4	Cheadle	•	•	•	0	32	•	•	•	•
c, West — p Tenbury	313	59	3rd	38	7th	55·0	45·7	50·5	+10·0	4	0·64	16	+ 2	Tenbury	•	•	•	0	32	45·9	•	•	•
c, West — p Ross-on-Wye	201	57	3rd	41	7th	54·7	48·4	51·7	+11·0	6	0·50	13	− 5	Ross-on-Wye	0·9	—	11	0	36	—	—	—	—
c, West — a Clifton	226	56	2, 3, 5	39	1st	54·7	48·4	51·7	+ 9·7	4	0·59	15	− 11	Clifton	0·6	—	8	0	38	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	56	3, 4	39	1, 7	53·4	45·9	49·8	+ 9·9	7	0·57	15	− 10	Worthing	0·9	− 0·9	11	0	39	48·5	+4·6	49·2	+0·2
p Salisbury (Wilton)	180	58	3rd	36	1st	54·2	46·1	50·3	+ 9·7	6	0·53	13	− 17	Marlborough	0·1	− 1·1	1	1	30	47·8	•	48·2	•
a Wisley, Surrey	150	58	3rd	37	1st	53·9	46·3	50·3	+ 9·3	3	0·25	6	− 12	Salisbury	•	•	•	0	33	47·2	•	•	•
a Tunbridge Wells	354	57	3rd	35	1st	52·7	45·4	49·2	+ 7·9	5	0·23	6	− 20	Wisley	0·5	− 0·8	6	2	27	46·7	+4·1	47·1	−0·2
a Margate	51	57	3rd	39	1st	53·7	45·9	50·0	+ 7·4	4	0·27	7	− 10	Tunbridge Wells	0·8	− 0·7	10	1	25	47·8	+4·2	48·5	•
														Margate	0·6	− 0·8	8	0	34	48·0	+3·1	48·9	+1·1
a Dungeness	21	53	3–5	41	1st	52·3	46·9	49·7	+ 6·7	5	0·25	6	− 15	Folkestone	0·8	—	10	•	•	•	•	49·1	•
p St. Leonards	178	54	3, 4	42	1st	52·5	47·8	50·2	+ 7·2	5	0·30	8	− 15	St. Leonards	0·9	− 0·9	11	0	39	47·7	•	48·7	•
p Southampton	64	57	3rd	40	7th	53·9	47·4	50·8	+ 7·9	7	0·48	12	− 14	Southampton	0·5	− 1·1	6	1	29	•	•	•	•
a Ventnor	59	54	2, 3	45	1st	53·0	48·4	50·8	+ 5·7	7	0·50	13	− 12	Ventnor	0·8	− 0·9	10	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	58	3rd	37	1st	53·4	46·8	50·2	+ 8·7	4	0·32	8	− 9	Richmond	0·4	− 0·8	5	1	24	46·6	+4·2	46·6	−1·2
a Westminster	27	60	3rd	38	1st	55·2	47·4	51·5	+ 8·9	4	0·31	8	− 8	Westminster	0·3	− 0·3	4	0	32	•	•	•	•
ag Greenwich	149	60	3rd	33	1st	53·9	45·6	49·9	+ 8·7	5	0·35	9	− 3	Greenwich	0·9	− 0·3	11	1	22	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	—	—	—	—
ag Camden Square	110	59	3rd	37	1st	54·0	46·7	50·5	+ 8·7	5	0·44	11	− 7	Camden Square	0·2	− 0·5	3	0	32	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	56	4th	42	1st	52·3	46·3	49·4	+ 9·4	6	0·99	25	− 5	Aspatria	0·0	− 1·2	0	0	31	45·6	+4·2	45·4	−1·2
p Newton Rigg	550	55	1, 2, 4	40	1st	53·6	45·7	49·5	+11·1	6	0·56	14	− 14	Newton Rigg	0·0	− 1·1	0	0	31	44·0	+3·4	44·0	−0·7
p Stonyhurst	375	55	3, 4	41	7th	53·0	45·4	49·4	+ 9·3	5	2·09	53	+ 20	Stonyhurst	0·1	− 0·9	1	0	34	•	•	•	•
p Blackpool	66	56	4th	36	1st	52·7	44·7	48·9	+ 7·7	7	1·13	29	+ 6	Blackpool	0·1	− 1·1	1	0	34	45·8	•	47·0	•
a Southport	37	56	4	37	7	53·3	44·3	49·2	+8.0	5	5.85	32	0	Southport	0·6	−0·6	8	0	35	+46·8	+4·9	45·5	+0·6
														Hoylake	0·6	−0·7	8	•	•	•	•	•	•
a Liverpool (Bidston)	188	56	1–4	37	1st	54·4	45·6	50·2	+ 8·2	3	0·95	24	+ 6	Liverpool	0·9	—	12	0	36	•	•	•	•
a Hawarden Bridge	22	—	—	39	1st	—	47·3	—	—	2	0·17	4	− 12	Manchester (City)	0·1	− 0·2	1	0	36	46·0	+5·2	46·5	−0·6
p Manchester (Whit. Pk.)	125	57	4th	39	1st	53·6	46·6	50·2	+ 8·9	5	1·40	36	+ 15	Whitworth Park	0·3	− 0·2	4	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	58	3, 4	43	1st	56·1	48·6	52·5	+ 8·7	4	0·25	6	− 15	Llandudno	1·0	− 0·4	13	•	•	•	•	•	•
a Holyhead	15	55	3rd	39	1st	53·1	47·7	50·5	+ 6·2	7	1·39	35	+ 6	Holyhead	0·1	—	1	0	40	•	•	•	•
a Beddgelert	309	55	3, 4, 6	34	1st	54·0	48·6	50·5	—	7	4·75	121	—	Aberdovey	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
3. *a.* SOUTH WALES.																							
a Aberystwyth	59	56	3,4	40	1st	54·3	47·9	51·2	—	3	0·92	23	—	Aberystwyth ..	0·3	- 0·5	4	•	•	•	•	•	•
a Rhayader	757	57	1st	31	1st	53·1	45·3	49·4	—	6	0·83	21	—	Rhayader ..	0·7	—	9	0	32	•	•	•	•
a St. Ann's Head	149	54	2,3	39	1st	53·0	49·3	51·2	+ 5·7	7	1·15	29	- 4	St. Ann's Head	0·8	- 0·8	10	•	•	•	•	•	•
p Cardiff	202	55	3rd	43	1,2	53·1	46·9	50·1	+ 8·4	7	1·25	32	- 3	Cardiff	0·3	—	4	0	32	47·4	+4·7	47·8	+0·1
b, ENGLAND, S.W.																							
a Bath	66	59	3rd	38	1st	56·3	47·3	52·0	+10·2	3	0·36	9	- 15	Bath	•	•	•	•	•	47·8	+3·8	49·1	+0·1
a Shaftesbury	722	55	1,3	36	7th	52·1	42·7	47·6	+ 6·9	7	0·30	8	- 18	Shaftesbury ..	•	•	•	•	•	46·7	•	48·1	•
a Arlington	613	54	1-3,5	34	1st	52·7	45·8	49·4	+ 7·4	5	1·53	39	- 9										
a Hartland Quay ..	100	56	3rd	41	1st	54·9	49·9	52·5	—	6	1·35	34	—										
a Newquay	190	57	3rd	42	7th	54·9	48·6	51·9	+ 5·7	6	1·16	29	- 2	Newquay ..	0·3	- 1·5	4	0	36	51·5	•	50·6	•
a Cullompton	202	57	1,3,4	32	7th	55·3	45·6	50·6	+ 8·4	6	0·80	20	- 11	Cullompton ..	0·3	- 1·1	4	1	29	48·5	•	•	•
a Portland Bill	19	54	2-5	45	1st	53·4	48·7	51·1	+ 5·4	7	0·47	12	- 9	Weymouth ..	0·6	—	8	•	•	•	•	•	•
p Plymouth	116	56	3rd	43	7th	54·0	49·4	51·8	+ 6·8	7	2·12	54	+ 20	Plymouth ..	0·4	- 1·4	5	0	36	50·1	+4·4	50·4	•
a Falmouth	167	56	1,3	43	7th	54·4	49·1	51·9	+ 6·0	6	2·12	54	+ 10	Falmouth ..	0·5	- 1·5	6	0	37	51·8	•	51·8	•
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	56	4th	42	1st	54·0	46·4	50·4	+ 7·9	5	0·37	10	- 13	Malin Head ..	0·6	—	8	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	56	3rd	43	1st	54·0	47·1	50·7	+ 6·8	7	1·55	39	0	Markree Castle	0·7	- 0·6	10	0	37	48·0	+4·5	48·0	- 0·3
{ *p* Markree Castle ..	122	58	4th	42	7th	54·9	47·0	51·1	+10·5	6	0·91	23	- 8										
b, East .. { *p* Armagh	196	56	1,4	41	7th	54·1	47·0	50·7	+10·2	6	0·62	16	- 5	Armagh	0·3	- 1·1	4	0	38	47·0	+4·6	47·2	+0·4
{ *a* Donaghadee	101	57	1st	38	1st	53·0	46·0	49·6	+ 7·6	7	0·95	24	+ 3										
10. IRELAND, S.																							
p Dublin, City	47	60	4th	45	7th	56·6	49·9	53·4	+10·2	5	0·28	7	- 10	Trinity Coll. ..	•	•	•	0	34	48·3	+4·9	48·0	+0·9
a Birr Castle	175	57	2nd	36	1st	55·1	46·6	51·0	+ 9·8	6	0·87	22	+ 1	Phœnix Park ..	1·2	- 0·5	16	0	32	•	•	•	•
a Kilkenny	212	58	3rd	32	1st	55·0	43·7	49·6	+ 8·2	6	1·09	28	+ 6	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	120	54	1,2	41	1,7	52·9	47·3	50·2	+ 7·0	6	2·19	56	+ 28	Birr Castle ..	0·5	- 1·0	7	0	32	•	•	•	•
p Seskin, Carrick-on-Suir	541	58	1st	39	7th	54·0	46·6	50·5	—	6	2·87	73	—	Seskin	1·3	—	17	0	35	•	•	•	•
a Cahir	199	57	1st	37	7th	54·1	45·9	50·2	+ 8·5	7	1·35	34	—										
a Foynes	50	—	—	45	1st	—	48·6	—	—	7	0·76	19	- 10										
a Cahirciveen (Val. Obs.)	30	56	2,3	47	7th	54·6	50·4	52·6	+ 6·8	7	2·60	66	+ 25	Cahirciveen ..	0·7	- 0·8	9	0	44	•	•	•	•
a Killarney	174	58	1,3	47	7th	55·6	50·1	53·0	+ 9·0	7	2·58	66	+ 22	Ballinacurra ..	0·4	- 1·1	5	•	•	•	•	•	•
a Roche's Point	32	55	3	48	1,3,7	52·9	49·4	51·2	+ 6·1	6	1·85	47	+ 15										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	3,5	49	7th	53·9	51·1	52·6	+ 4·6	7	1·09	28	- 4	Scilly	0·2	- 1·7	5	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	56	3rd	45	1st	53·7	48·0	51·0	+ 4·8	5	0·47	12	- 20	St. Heliers ..	0·9	- 1·1	11	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	55	2,3	47	7th	53·9	49·4	51·7	+ 5·5	7	0·43	11	- 24	Guernsey† ..	0·9	- 0·9	11	0	43	51·1	+3·6	51·6	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 7th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	21	76	71	0	157	8	6	20	18	1	0	30
Aberdeen	153	105	52	—	—	—	—	33	94	41	0	203	9	1	1	16	1	1	20
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	1, 2, 4, 6	17	85	61	5	0	210	14	4	9	22	4	9	15
Paisley	188	81	15	—	—	—	—	54	92	22	0	169	10	7	23	20	7	12	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	54	90	24	236	5	2	11	13	1	9	0
South Shields	72	61	12	—	—	—	—	2	115	51	0	203	6	6	11	12	4	13	30
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	24	140	4	0	124	9	6	11	—	—	—	—
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	2, 3, 5	7	123	38	0	0	203	13	3	5	16	3	4	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	45	116	7	0	203	9	3	1	15	3	0	45
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	61	107	0	0	—	10	3	3	17	3	2	10
Brighton	261	53	6	—	—	—	—	66	95	7	0	—	9	3	5	15	3	5	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	2, 3	7	119	42	0	0	{190	12	2	24	} 16	3	0	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	12	134	15	7	{195	12	3	2				
												225	7	3	7	13	3	6	45
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	14	134	20	0	225	7	3	12	13	3	12	30
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	97	70	1	0	135	10	6	8	—	—	—	—
Southport	80	62	48	—	—	2, 3	4	132	32	0	0	236	12	3	10	17	2	4	45
Holyhead	60	40	‡	—	—	3 to 7	25	140	3	0	0	169	14	7	23	19	7	21	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	2, 3, 5, 7	8	2 to 7	73	57	28	2	0	203	18	5	3	24	2	23	20
Plymouth	185	88	2	—	—	2, 3, 5, 7	27	75	46	20	0	—	14	4	24	19	3	2	50
Lyme Regis	556	61	‡	—	—	7	1	79	67	21	0	—	11	3	3	15	4	7	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	1, 5 to 7	10	99	56	3	0	236	14	1	7	—	—	—	—
Quilty	100	40	‡	—	—	2 to 7	50	110	8	0	0	180	15	4	3	25	5	18	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	1 to 7	50	99	19	0	0	—	16	7	17	24	3	0	25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	2, 3, 5 to 7	20	104	44	0	0	157	14	7	20	20	7	19	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1918—December 1st to December 7th, 1918.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	30	84·0	79·6	81·9	+ 5·1	42	+ 33	0	− 29	6	0	1·11	28	− 14	0·4	−0·4	6	1001
Eastern.																			
1. SCOTLAND, EAST ...	59	30	84·3	78·7	81·6	+ 5·2	39	+ 31	0	− 34	5	0	0·40	10	− 14	0·5	−0·8	7	1004
2. ENGLAND, N.E.	60	37	84·9	80·1	82·6	+ 5·1	51	+ 41	0	− 26	5	+ 1	0·41	10	− 7	0·8	−0·5	11	1010
3. ENGLAND, EAST ...	59	34	84·6	79·8	82·3	+ 4·6	47	+ 33	0	− 27	6	+ 1	0·38	10	− 6	0·8	−0·6	10	1015
4. MIDLAND COUNTIES ...	59	36	85·2	80·5	82·9	+ 5·5	55	+ 41	0	− 30	5	0	0·57	15	− 3	0·7	−0·6	9	1013
5. ENGLAND, S.E.	58	35	84·8	81·2	83·1	+ 4·4	57	+ 36	0	− 19	5	0	0·37	9	− 15	0·6	−0·8	8	1016
Western.																			
6. SCOTLAND, WEST ...	56	30	84·4	81·1	82·8	+ 4·9	53	+ 39	0	− 19	7	+ 2	1·56	40	0	0·1	−1·0	1	1007
7. ENGLAND, N.W.	58	36	84·9	80·9	83·1	+ 4·8	57	+ 42	0	− 20	5	0	0·99	25	− 1	0·2	−0·2	3	1009
8. ENGLAND, S.W.	59	31	85·1	81·3	83·3	+ 3·9	60	+ 35	0	− 13	6	+ 1	1·09	28	− 8	0·5	−1·1	6	1013
9. IRELAND, NORTH ...	58	36	85·3	81·2	83·3	+ 5·0	60	+ 45	0	− 21	6	0	0·88	22	− 5	0·5	−0·9	7	1011
10. IRELAND, SOUTH ...	60	32	85·7	81·7	83·8	+ 4·5	66	+ 41	0	− 15	6	+ 1	1·47	37	+ 8	0·7	−0·9	9	1014
11. ENGLISH CHANNEL ...	56	45	85·1	82·7	84·0	+ 2·6	69	+ 30	0	− 3	6	0	0·66	17	− 16	0·7	−1·2	8	1015

THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, December 1st to December 7th, 1918.

0. SCOTLAND, NORTH ...	59	30	84·0	79·6	81·9	+ 5·1	42	+ 33	0	− 29	6	0	1·11	28	− 14	0·4	−0·4	6	1001
Eastern.																			
1. SCOTLAND, EAST ...	59	30	84·3	78·7	81·6	+ 5·2	39	+ 31	0	− 34	5	0	0·40	10	− 14	0·5	−0·8	7	1004
2. ENGLAND, N.E.	60	37	84·9	80·1	82·6	+ 5·1	51	+ 41	0	− 26	5	+ 1	0·41	10	− 7	0·8	−0·5	11	1010
3. ENGLAND, EAST ...	59	34	84·6	79·8	82·3	+ 4·6	47	+ 33	0	− 27	6	+ 1	0·38	10	− 6	0·8	−0·6	10	1015
4. MIDLAND COUNTIES ...	59	36	85·2	80·6	83·0	+ 5·6	55	+ 41	0	− 30	5	0	0·57	15	− 3	0·7	−0·6	9	1013
5. ENGLAND, S.E.	58	35	84·8	81·2	83·1	+ 4·4	57	+ 36	0	− 19	5	0	0·37	9	− 15	0·6	−0·8	8	1016
Western.																			
6. SCOTLAND, WEST ...	56	30	84·4	81·1	82·8	+ 4·9	53	+ 39	0	− 19	7	+ 2	1·56	40	0	0·1	−1·0	1	1007
7. ENGLAND, N.W.	58	36	84·9	80·9	83·1	+ 4·8	57	+ 42	0	− 20	5	0	0·99	25	− 1	0·2	−0·2	3	1009
8. ENGLAND, S.W.	59	31	85·1	81·3	83·3	+ 3·9	60	+ 35	0	− 13	6	+ 1	1·09	28	− 8	0·5	−1·1	6	1013
9. IRELAND, NORTH ...	58	36	85·3	81·2	83·3	+ 5·0	60	+ 45	0	− 21	6	0	0·88	22	− 5	0·5	−0·9	7	1001
10. IRELAND, SOUTH ...	60	32	85·7	81·7	83·8	+ 4·5	66	+ 41	0	− 15	6	+ 1	1·47	37	+ 8	0·7	−0·9	9	1004
11. ENGLISH CHANNEL ...	56	45	85·1	82·7	84·0	+ 2·6	69	+ 30	0	− 3	6	0	0·66	17	− 16	0·7	−1·2	8	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 49 Weeks, December 30th, 1917, to December 7th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·9	77·9	80·8	0·0	1980	−102	616	− 70	229	− 1	51·20	1296	+ 93	3·1	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·6	77·3	80·8	− 0·1	2167	−135	792	− 10	198	+ 3	28·67	726	− 16	3·7	−0·1	29	1012
2. ENGLAND, N.E.	84	9	85·8	78·9	82·2	+ 0·3	2777	+118	486	− 97	173	− 3	22·34	567	− 29	4·0	−0·1	33	1014
3. ENGLAND, EAST ...	92	14	86·6	78·9	82·6	+ 0·1	3046	− 12	492	−118	169	− 3	24·29	612	+ 50	4·5	0·0	36	1016
4. MIDLAND COUNTIES ...	89	12	86·7	78·7	82·6	+ 0·4	3038	+ 90	525	−144	171	0	26·27	668	+ 34	3·9	−0·1	32	1016
5. ENGLAND, S.E.	90	15	87·1	79·6	83·2	+ 0·1	3279	− 7	418	− 44	166	− 2	27·51	698	+ 46	4·7	0·0	38	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·4	78·7	81·9	+ 0·1	2567	+ 12	464	− 60	215	+11	46·86	1192	+ 81	3·8	−0·1	30	1013
7. ENGLAND, N.W.	84	12	85·9	79·5	82·6	+ 0·3	2887	+ 96	360	−106	187	− 1	34·72	884	+ 46	4·1	0·0	33	1014
8. ENGLAND, S.W.	82	16	86·5	79·9	83·1	+ 0·1	3123	0	303	− 62	187	− 1	35·94	918	+ 3	4·7	+0·2	38	1016
9. IRELAND, NORTH ...	80	18	85·7	79·2	82·3	+ 0·1	2709	+ 43	334	− 98	221	− 3	35·43	896	− 9	3·7	0·0	30	1012
10. IRELAND, SOUTH ...	84	19	86·7	79·9	83·2	+ 0·2	3172	+ 78	260	− 74	210	+11	39·93	1014	+ 74	4·1	0·0	33	1015
11. ENGLISH CHANNEL ...	85	26	87·2	81·8	84·4	0·0	3722	+ 5	97	− 16	185	−11	27·33	696	−77	5·6	+0·2	46	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: December 12th, 1918.

EXAMINED BY
AUTHORITY FOR ISSUE
ARS.
30/12/18

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 50.

THE FIFTIETH WEEK OF 1918.
SUNDAY, DECEMBER 8TH, TO SATURDAY, DECEMBER 14TH, 1918.

Price 6d., Post free 6½d
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d

I.—GENERAL SUMMARY. [First published in 1878.]

The spell of unusual warmth noticed last week was maintained to a rather less degree during this week. In all districts the mean temperature was in excess of the normal, the divergence being between 3 a. and 4 a. The daily maxima over England and Ireland were mostly above 283 a., and on the 12th and 13th, when temperature was high in Scotland also, readings of 288 a. or 289 a. were general. The lowest minima occurred, as a rule, on the 11th over England, on the 12th in Scotland, and on various dates in Ireland; they varied between 271 a. and 274 a. generally, but in Scotland East, at Balmoral and West Linton, the thermometer went down to 269 a.; grass minimum thermometers at the two last-named stations recorded 267 a. and 266 a. respectively; in the English Channel the lowest reading in the screen was 279 a. at Jersey. The number of rain-days was again large, the total rainfall being in excess of the normal in the eastern and southern districts and less in the north-west and north. At Beddgelert (Snowdonia), on the 11th and 14th, 28mm. and 34mm. were measured, but elsewhere there were no individual falls of 20mm. in a day. Bright sunshine showed an excess of the normal in Scotland and Ireland, but in all the English districts and over the Channel the daily amount was again less than the normal. Barometric pressure was generally high between the Azores and Spain, and the prevailing winds were more westerly than during the preceding week. Aurora was witnessed in the north of Scotland on the 8th, at Oxford, on the 9th, at Seskin (Carrick-on-Suir) on the 11th, and at Tenbury on the 12th. Solar halos were seen at Oxford and Tenbury on the 10th and 11th, and lunar halos in various parts of England and Wales between the 11th and 14th.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	6·6	25	5·6	23	2·7	19	2·9	26	4·6	16	4·5	26	4·6	27	5·4
North	1	1·5	0	—	0	—	2	0·6	1	3·5	5	3·5	0	—	0	—
West	10	4·7	18	6·6	15	2·7	24	2·8	24	4·5	26	6·7	21	4·9	20	4·6
East	10	2·7	6	1·4	6	1·5	0	—	2	3·1	0	—	2	4·7	6	1·4
Calm	2	—	0	—	5	—	4	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Very unusual	Very Unusual	Very unusual
	Rainfall ...	Moderate	Moderate	Light	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Abundant	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Very abundant	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 2 weeks from Dec. 1st, 1918.	Warmth ...	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0*	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0
	Rainfall ...	0, 2, 0	0, 1, 1	0, 1, 1	1, 1, 0	0, 2, 0	0, 1, 1	0, 2, 0	0, 2, 0	1, 1, 0	0, 2, 0	2, 0, 0	0, 1, 1
	Sunshine ...	1, 0, 1	1, 0, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0 2	0, 1, 1	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 0 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 1° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(20925—19.) Wt. 199—789. 625. 12/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	°/c.		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.	54	48	13th	38	13, 14	46·1	40·7	43·5	+ 3·2	7	1·34	34	+ 4										
a, Islands .. a Lerwick	160	50	13th	38	14th	47·1	42·6	44·9	—	5	1·22	31	+ 5	Deerness ..	0·9	+ 0·4	15	•	•	•	•	•	•
p Deerness	51	53	13th	33	11, 12	49·1	39·9	44·7	+ 4·4	7	1·97	50	+ 11	Stornoway ..	1·0	+ 0·4	16	•	•	•	•	•	•
a Stornoway	57	53	13th	42	11th	50·9	44·7	47·9	—	6	0·87	22	—	Castlebay ..	0·4	—	6	•	•	•	•	•	•
a Castlebay, Barra Isd.																							
b, Mainland. a Wick	81	50	13th	37	14th	46·9	40·4	43·8	+ 4·5	4½	0·55	14	— 5	Fort Augustus..	—½	—	—	•	•	•	•	•	•
p Glencarron	500	~~53~~	~~8~~ —	~~29~~	~~11~~ —	~~47·6~~	~~38·0~~	~~43·0~~	~~+4·9~~	~~7~~	~~2·87~~	~~73~~	~~7·8~~										
a Fort Augustus..	68	53	8th	29	12th	48·6	38·3	43·7	+ 5·0	4	1·81	46	+ 10										
p Fort William	171	53	13th	30	11th	47·7	39·6	43·8	+ 3·8	7	2·49	63	0										
1. SCOTLAND, E.																							
a Nairn	82	53	8, 13	29	12th	47·9	36·7	42·5	+ 4·5	5	0·75	19	+ 7	Nairn	3·2	—	31	•	•	•	•	•	•
p Gordon Castle	101	55	13th	32	11th	48·7	38·6	43·9	+ 4·9	4	0·42	11	— 4	Gordon Castle..	1·5	—	23	•	•	•	•	•	•
a Aberdeen	46	53	13th	34	12th	48·7	40·7	44·9	+ 6·0	4	0·39	10	— 8	Aberdeen ..	1·6	+ 0·5	24	3	24	•	•	43·7	+1·1
a Balmoral	930	53	13th	24	12th	44·6	34·7	39·9	+ 4·7	5	0·45	11	— 7	Balmoral ..	•	•	•	3	21	•	•	•	•
p Crieff	432	55	13th	30	11th	48·0	37·9	43·2	+ 5·2	7	0·62	16	— 8	Crathes	1·2	+ 0·1	18	3	21	41·8	+2·8	42·0	+0·9
a Dundee	244	52	13th	29	11, 12	48·6	35·4	42·3	+ 4·3	5	0·30	8	— 7	Dundee	2·0	—	36	4	22	42·1	•	•	•
a Leith	30	58	13th	34	11th	51·4	41·1	46·5	+ 6·2	5	0·35	9	— 2	Leith	—	—	—	2	29	•	•	•	•
p Edinburgh	441	57	13th	34	11th	49·9	41·3	45·8	+ 6·6	4	0·25	6	— 6	Edinburgh ..	1·7	+ 0·4	25	2	24	•	•	•	•
a West Linton	769	55	13th	25	11th	49·3	35·9	42·9	+ 7·8	4	0·43	11	—	West Linton ..	1·2	—	17	2	19	•	•	•	•
p Marchmont	498	56	13th	28	11th	48 0	36·3	42·4	+ 4·9	4	0·42	11	— 4	Marchmont .	1·4	+ 0·4	20	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	56	13th	33	11th	50·5	39·4	45·2	—	7	1·95	50	—	Ford (Argyll) ..	•	•	•	?	?	45·0	•	45·7	•
p Glasgow Observatory	180	55	13th	33	11th	49·1	41·6	45·5	+ 5·7	6	0·49	12	— 11	Glasgow.. ..	0·6	+ 0·1	9	1	26	•	•	•	•
p Rothesay	200	55	13th	37	10, 11	49·7	41·3	45·7	+ 5·0	7	1·11	28	— 3	Rothesay ..	1·4	—	20	1	29	45·0	•	47·0	+2·7
a Kilmarnock	90	56	12, 13	35	11th	51·4	42·3	47·0	+ 7·9	5	0·52	13	— 10	Kilmarnock ..	1·3	—	19	•	•	44·2	•	46·0	•
a Colmonell	170	57	13th	35	11th	52·6	43·1	48·0	+ 7·3	5	0·70	18	— 13	Colmonell ..	•	•	•	0	31	•	•	•	•
p Cally, Gatehouse ..	120	54	13th	33	11th	48·9	40·7	45·0	+ 5·6	5	0·88	22	— 9	Dumfries ..	1·2	—	17	2	23	44·5	+4·5	45·5	+2·3
p Dumfries	160	57	13th	32	11th	50·3	41·4	46·0	+ 6·9	4	0·44	11	— 12	Eskdalemuir ..	1·3	—	19	1	27	•	•	•	•
a Eskdalemuir	794	52	13th	32	11th	47·6	39·0	43·5	—	6	0·91	23	—										
b, I. OF MAN p Douglas	277	55	13th	41	10, 11	51·0	44·1	47 7	+ 5·4	7	0·84	21	— 7	Douglas	1·8	+ 0·5	25	0	35	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle ..	210	57	13th	29	11th	49·1	36·0	42·8	+ 3·4	3	0·10	3	— 14										
a Tynemouth	71	57	13th	36	11th	48·9	41·1	45·7	+ 5·6	2	0·12	3	— 9	Cockle Park ..	0·6	— 0·9	9	3	25	40·9	+2·5	43·9	+2·0
p Durham	336	55	13th	31	9th	47·7	37·4	42·8	+ 4·2	5	0·13	3	— 9	Durham ..	0·9	— 0·4	13	3	24	•	•	•	•
p Rounton	249	56	1	32	11th	49·4	38 4	44·1	+ 5 6	4	0·10	3	— 10	Rounton ..	•	•	•	5	23	42·9	•	•	•
a West Witton	605	53	12, 13	34	11, 12	49·6	39·3	44·7	—	5	0·26	7	—	West Witton ..	•	•	•	3	27	43·1	•	44·0	•
p Scarborough	100	57	14th	43	10, 12	51·4	45·0	48·3	+ 7·9	2	0·14	4	— 10	Scarborough† ..	0·8	— 0·3	11	•	•	•	•	48 5	•
p York	56	57	13th	33	9th	50·4	40·7	45·7	+ 6·2	5	0·23	6	— 7	York	0·2	— 0·6	3	—	—	44·4	+3·0	46 1	+1·1
b, South .. a Spurn Head	26	55	13th	39	11th	49·7	42·4	46·2	+ 5·5	6	0·39	10	— 2	Spurn Head ..	0·1	—	1	•	•	•	•	•	•
a Lincoln	58	58	11, 13	37	9, 10	54 0	41·7	48 1	+ 9·1	5	0·37	9	— 4	Lincoln	~~0·8~~ 0·8	•	~~5~~ 1	0	36	45·1	+4·9	46·6	+1·6
a Fulbeck	180	57	12, 13	36	9th	53·1	41·3	47·4	+ 8·2	7	0·31	8	— 5	Rauceby ..	~~1·0~~ 1·0	— 0·3	14	•	•	45·6	+4·2	47 0	+1·2
														Skegness ..	0·9	— 0·7	12						
3. ENGLAND, E.																							
p Cromer	196	57	12, 13	37	11th	51 6	42·0	47·0	+ 6·5	7	0·44	11	— 2	Cromer	0·9	— 0·5	12	•	•	•	•	•	•
a Little Massingham ..	280	55	13th	36	11th	50·7	41·1	46·1	+ 6·9	7	0·70	18	0	Lit. Massingham	0·5	— 0·7	7	•	•	•	•	•	•
a Yarmouth	13	57	13th	38	11th	51·1	42·9	47·2	+ 6 9	7	0·80	20	+ 4	Yarmouth ..	0·7	—	9	0	35	46·6	+4·8	49·0	+2·8
a Norwich	93	56	12, 13	38	11th	51·4	43 0	47·4	+ 7·7	7	0·73	19	+ 2	Norwich ..	1·0	—	13	1	30	44·3	•	•	•
a Geldeston	37	57	12, 13	36	12th	52 7	41·1	47·1	+ 6·7	7	0·75	19	+ 4	Geldeston ..	0·6	— 0·9	8	•	•	•	•	•	•
p Cambridge	41	58	12th	37	9th	53·6	41·9	48·0	+ 8·2	5	0·49	13	0	Cambridge ..	0·3	— 1·0	4	0	31	46·7	+4·9	47·9	+1·8
a Clacton-on-Sea ..	54	57	13th	40	11th	51·7	45 1	48·5	+ 8·0	6	0·71	18	+ 6	Clacton	0·6	— 0·9	8	0	36	47·5	+3·8	49·2	+1·5
a Rothamsted	424	56	12, 13	31	9th	51·9	41·9	47·1	+ 7·4	6	0·75	19	+ 1	Rothamsted ..	0·3	— 1·1	4	2	29	45·9	•	•	•
p Tottenham	51	58	13th	40	9th	54·1	41·0	48·3	—	6	0·88	22	—	Tottenham ..	0·0	—	0	0	32	•	•	49·0	+1·5
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	55	13th	34	11th	50·0	39·4	44·9	+ 6·3	6	0·45	11	— 8	Harrogate ..	0·7	— 0·6	10	3	27	43·5	+2·8	45·0	+2·3
p Sheffield	429	57	12 13	36	9th	51·7	42·3	47·2	—	6	0·48	12	—	Sheffield.. ..	0·9	— 0·3	12	1	30	44·6	+3·9	46·1	+1·2
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East .. a Bawtry	65	58	13th	33	9th	52 0	40 7	46·6	+ 7·5	5	0·31	8	— 7	Worksop ..	0·8	— 0·2	11	3	25	44·3	•	45·7	•
a Nottingham	82	58	12th	35	9, 10	53·1	40·7	47·2	+ 7·5	6	0·23	6	— 10	Nottingham ..	0·6	— 0·3	8	0	32	45·1	+4·9	45·4	+2 0
p Birmingham, Edgbsn.	536	56	12, 13	36	9th	51 7	41·7	46·9	+ 7·3	6	0·40	10	— 8	Birmingham ..	0·7	— 0·2	9	1	29	46·6	+4·2	47·9	+1·3
a Raunds	202	58	13th	34	9, 10	53·4	41·0	47·5	+ 8·8	6	0·32	8	— 8	Raunds	0·6	—	8	2	27	46 5	•	48·3	•
p Oxford	208	56	13th	38	9th	52·4	43·7	48 2	+ 7·8	7	0·78	20	+ 4	Oxford	0·3	— 1·1	4	0	33	•	•	•	•
														Malvern ..	0·6	—	8	1	30	45·8	•	47·1	—
c, West .. a Cheadle (N. Staffs.) .	640	55	13th	33	9th	50·7	39 6	45 4	+ 7·0	7	0·85	22	0	Cheadle	•	•	•	2	27	•	•	•	•
p Tenbury	313	59	12th	31	9th	53·1	40 0	46·8	+ 6·5	7	0·39	10	— 4	Tenbury	•	•	•	2	27	45·5	•	•	•
p Ross-on-Wye	201	58	12th	33	9th	53·7	~~43·3~~ 44	~~46·2~~ 46	~~+ 8·2~~ + 8·0	7	0·46	12	— 7	Ross-on-Wye ..	0·8	—	11	1	29	—	—	—	—
a Clifton	220	56	12th	40	9th	53·6	45·6	49·8	+ 8·0	7	2·01	52	+ 25	Clifton	0·4	—	5	0	37	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	12, 13	32	9th	52·4	42·3	47·6	+ 7·9	7	1·02	26	+ 4	Worthing ..	0·5	— 1·3	6	0	31	48·4	+4·5	50 0	+2·0
p Salisbury (Wilton) ..	180	58	12, 13	32	9th	53·7	42·0	48·1	+ 7·7	5	1·11	28	+ 2	Marlborough ..	0·0	— 1·2	0	1	27	47·1	•	48·8	•
a Wisley, Surrey ..	150	57	12, 13	35	9th	53·4	43·7	48·7	+ 7·9	4	0·99	25	+ 10	Salisbury	•	•	•	0	31	47·5	•	•	•
a Tunbridge Wells ..	354	57	12, 13	37	9th	53·1	43·6	48 5	+ 7·5	7	0·71	18	— 3	Wisley	0·3	— 1·1	4	1	26	47·1	+4·3	47·9	+1·5
a Margate	51	59	13th	40	11th	54·7	46·1	50·6	+ 8·4	6	0·49	12	— 2	Tunbridge Wells	0·4	— 1·0	5	2	28	48·1	+6·1	49·0	•
														Margate	0 7	— 0·7	9	0	36	48·4	+4·1	49·6	+3 0
a Dungeness	21	54	14th.	42	10th	52·6	~~46·4~~ 46·6	~~49·6~~ 49·7	~~+ 7·0~~ + 7·1	7	0·41	10	— 7	Folkestone ..	0·7	—	9	•	•	•	•	50·0	•
p St. Leonards	178	54	12-14	42	10th	52·7	47·0	50·0	+ 7·4	7	0·46	12	— 7	St. Leonards ..	0·4	— 1·3	5	0	36	48·0	•	49·1	•
p Southampton	64	57	12th	36	9th	53·4	44·7	49·2	+ 6·5	7	1·11	23	+ 5	Southampton ..	0 5	— 1·1	6	1	26	•	•	•	•
a Ventnor	59	55	13th	44	9th	53 4	48·4	51·0	+ 6·2	7	1·24	32	+ 12	Ventnor	0·2	— 1·6	3	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	58	13th	38	10th	53·3	44·6	49·1	+ 7·8	6	1·02	23	+ 12	Richmond ..	0·2	— 1·0	3	0	32	46·9	+4·4	47·7	+1 0
a Westminster	27	59	13th	40	9, 10	54·7	45·3	50 2	+ 7·9	6	0·85	22	+ 9	Westminster ..	0·2	— 0·4	3	0	32	•	•	•	•
ag Greenwich	149	58	13th	39	9th	53·6	44·1	49·0	+ 8·8	6	0·75	19	+ 8	Greenwich ..	0 5	— 0·6	6	1	30	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	•	•	•	•
ag Camden Square ..	110	58	13th	40	9-11	53·9	44·6	49·4	+ 8·0	7	0·96	24	+ 9	Camden Square	0·0	— 0·7	0	0	33	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	54	13th	38	11th	49·6	42·3	46·1	+ 6·6	3	0·31	8	— 19	Aspatria.. ..	0·2	— 0·8	3	0	32	44·8	+3·6	46·1	+0 7
p Newton Rigg	559	55	13th	33	11th	50·0	38·9	44·7	+ 5·7	3	0·20	5	— 22	Newton Rigg ..	0·7	— 0·3	10	4	26	43·9	+3·5	44·8	+1·7
p Stonyhurst	375	54	13th	37	9th	50·3	42·3	46·5	+ 6·8	7	1·56	40	+ 10	Stonyhurst ..	0·6	— 0·2	8	1	29	•	•	•	•
p Blackpool	66	53	12th	35	9th	50·1	41·9	46·2	+ 5·5	7	0·92	23	+ 3	Blackpool ..	0·9	— 0·1	12	1	28	45·6	•	47·3	•
a Southport	37	54	13th	30	9th	50·4	42·0	46·4	+ 5·6	6	0·91	23	+ 3	Southport ..	1 0	0·0	14	1	30	43·4	+3·4	45·6	+2·3
														Hoylake ..	1 3	+ 0·1	18	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	58	12th	40	9, 10	51·9	43·9	48·1	+ 6·3	5	0·43	11	— 5	Liverpool ..	1·3	—	18	0	31	•	•	•	•
a Hawarden Bridge ..	22	58	13th	36	9, 10	54·6	43·9	49·5	+ 6·7	3	0·22	6	— 13	Manchester (City)	0·1	— 0·1	1	1	30	45·9	+4·9	47·2	+1·7
p Manchester (Whit. Pk.)	125	57	13th	~~40~~ 35	~~9, 11~~ 2·0	~~51·7~~ 1·6	~~44·8~~ 3·0	~~48·2~~ 6·1	~~+ 7·3~~ 4	~~7~~ 6	~~0·95~~ 89	~~24~~ 3	~~+ 4~~ 3	Whitworth Park	~~0·2~~	~~— 0·2~~	3	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	57	13th	41	9th	53 3	44·6	49·1	+ 5·7	5	0·54	14	— 5	Llandudno ..	1·7	+ 0·5	23	•	•	•	•	•	•
a Holyhead	15	54	8, 12, 13	46	9th	52 6	48·1	50·4	+ 6·5	5	0·84	21	— 5	Holyhead ..	1·8	—	24	0	37	•	•	•	•
a Beddgelert	309	54	12, 13	40	11th	51·9	45·4	48·8	—	7	3·25	81	—	Aberdovey ..	—	—	—	—	—	—	—	—	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																						
a Aberystwyth	59	53	9, 13, 14	43	9th	51·9	46·6	49·4	—	5	1·03	26	—	Aberystwyth ..	0·6	− 0·6	8	*	*	*	*	*
a Rhayader	767	55	12th	36	11th	51·4	43·6	47·7	—	7	1·39	35	—	Rhayader ..	0·7	—	9	1	30	*	*	*
a St. Ann's Head	149	57	14th	46	10th	53·0	49·7	51·4	+ 6·2	6	1·63	41	+ 13	St. Ann's Head	1·3	0·0	17	*	*	*	*	*
p Cardiff	202	54	8, 13, 14	38	9th	52·1	43·4	47·9	+ 6·5	7	1·88	48	+ 17	Cardiff	0·5	—	7	2	26	47·0	+4·4	48·3	+1·7
b, ENGLAND, S.W.																						
a Bath	66	58	13th	32	9th	54·6	43·0	49·0	+ 7·6	7	1·17	30	+ 9	Bath	*	*	*	*	*	48·0	+4·7	49·7	+2·0
a Shaftesbury	722	55	13th	38	9th	51·4	42·7	47·2	+ 7·1	5	1·13	29	+ 7	Shaftesbury ..	*	*	*	*	*	47·3	*	48·8	*
a Arlington	613	53	11–13	38	9th	51·4	44·0	47·9	+ 6·4	6	2·49	63	+ 22										
a Hartland Quay ..	100	54	13, 14	46	9th	53·1	48·6	50·9	—	7	1·81	46	—										
a Newquay	190	55	12, 13	40	9th	53·3	43·0	49·8	+ 3·9	7	1·24	32	+ 5	Newquay ..	1·3	− 0·3	17	0	37	50·3	*	51·1	*
a Cullompton	202	57	12, 13	31	9th	53·9	43·0	48·7	+ 6·9	7	1·27	32	+ 5	Cullompton ..	0·8	− 0·4	10	2	27	48·2	*	*	*
a Portland Bill	19	54	12, 13	48	8th	53·1	49·7	51·5	+ 6·3	6	0·97	25	+ 7	Weymouth ..	0·5	—	6	*	*	*	*	*	*
p Plymouth	116	55	12, 13	39	9th	53·4	47·9	50·8	+ 6·2	7	1·30	33	+ 3	Plymouth ..	1·5	− 0·1	19	0	35	49·6	+4·0	51·1	*
a Falmouth	167	55	12th	41	9th	53·4	47·3	50·5	+ 4·9	6	1·81	46	+ 8	Falmouth ..	1·7	0·0	22	0	39	50·5	*	52·0	*
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	54	12, 13	39	11th	50·9	43·3	47·3	+ 4·9	7	0·65	17	− 2	Malin Head ..	1·9	—	28	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	54	12, 13	39	14th	51·6	43·4	47·7	+ 3·8	6	0·95	24	− 10	Markree Castle	2·2	+ 1·1	31	1	28	46·8	+3·8	48·3	+1·4
{ *p* Markree Castle ..	122	56	13th	34	10th	51·7	41·3	46·7	+ 6·1	6	0·69	18	− 9										
b, East .. { *p* Armagh	196	56	13th	39	10th	51·6	43·4	47·2	+ 6·6	5	0·44	11	− 7	Armagh	2·8	+ 1·6	39	0	37	46·5	+4·6	47·7	+2·1
{ *a* Donaghadee	101	56	13th	37	11th	51·7	42·6	47·3	+ 5·5	5	0·59	15	− 3										
10. IRELAND, S.																						
p Dublin, City	47	59	13th	43	10, 11	53·6	45·0	49·5	+ 6·7	5	0·48	12	− 2	Trinity Coll. ..	*	*	*	0	31	47·5	+4·7	48·5	+2·6
a Birr Castle	175	60	8th	39	11th	54·9	43·3	49·3	+ 8·4	6	0·95	24	+ 5	Phœnix Park ..	3·5	+ 1·9	48	2	25	*	*	*	*
a Kilkenny	212	58	13th	31	9th	53·7	41·0	47·6	+ 6·5	6	0·89	23	+ 3	Dublin City ..	*	*	*	0	39	*	*	*	*
a Waterford	120	57	12th	41	8, 10, 11	53·3	43·9	48·8	+ 5·8	7	1·81	46	+ 20	Birr Castle ..	2·2	+ 0·8	30	0	33	*	*	*	*
p Seskin, Carrick-on-Suir	541	57	13th	39	10th	52·4	43·9	48·3	—	5	1·60	41	—	Seskin	3·4	—	45	0	35	*	*	*	*
a Cahir	198	57	12, 13	36	9th	53·4	41·1	47·5	+ 6·2	6	1·47	37											
a Foynes	50	—	—	40	10, 11	—	43·9	—	—	6	1·34	34	+ 7										
a Cahirciveen (Val. Obs.)	30	56	11, 12	43	10th	53·3	47·0	50·3	+ 6·6	6	2·56	65	+ 28	Cahirciveen ..	1·8	+ 0·4	24	0	31	*	*	*	*
a Killarney	174	59	12th	40	10th	54·9	46·0	50·6	+ 5·0	7	2·19	56	+ 15	Ballinacurra ..	2·7	+ 1·3	35	*	*	*	*	*	*
a Roche's Point	32	—	—	—	—	—	—	—	—	—	—	—	—										
		55	12, 13	41	10	52·6	46·4	4·86	+ 4·7	7	1·46	37	+ 7										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	54	11–13	47	10, 11	53·3	50·0	51·7	+ 4·0	7	0·88	22	− 5	Scilly	1·5	− 0·3	19	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	57	13th	43	9th	55·0	49·6	52·4	+ 6·8	4	0·75	19	− 6	St. Heliers ..	1·0	− 0·9	13	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	56	14th	44	9th	53·9	49·2	51·6	+ 6·2	5	1·05	27	− 1	Guernsey† ..	0·7	− 1·0	9	0	37	50·8	+3·9	51·9	+1·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 14th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	7, 8, 11 to 13	35	82	42	9	0	157	14	13	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	17	130	21	0	157	7	12	8	15	12	7	55
Aberdeen	153	105	52	—	—	—	—	28	92	48	0	225	10	14	3	17	14	2	35
Edinburgh	485	39	31	—	—	9, 12 to 14	38	71	47	12	0	225	14	13	15	21	12	8	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	12 to 14	25	64	52	27	0	247	15	12	18	23	12	18	30
Paisley	188	81	15	—	—	—	—	68	71	29	0	259	11	12	13	23	12	13	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	20	77	71	0	281	10	12	20	17	12	20	15
South Shields	72	61	12	—	—	12	2	19	93	54	0	270	12	12	12	20	12	11	25
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	28	122	18	0	225	7	12	24	—	—	—	—
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	102	57	9	0	259	10	13	6	16	13	4	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	52	91	25	0	248	8	13	7	16	13	6	40
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	—	—	56	98	4	10	—	7	12	11	13	13	7	40
Brighton	261	53	6	—	—	—	—	96	62	10	0	—	9	11	7	16	11	6	55
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	11 to 13	7	102	58	1	0	260	13	12	17	18	12	17	20
Richmond (Kew Obs.)..	82	66	22	—	—	—	—	11	129	28	0	259	6	12	14	13	12	14	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	33	119	16	0	236	10	12	19	15	12	18	19
Fleetwood (Cup Anr.) ..	109	44	‡	—	—	12, 13	7	71	90	0	0	259	13	12	20	—	—	—	—
Southport	80	62	48	—	—	10, 12, 13	28	99	41	0	0	259	16	12	19	22	13	9	30
Holyhead	60	40	‡	—	—	8, 10, 13	13	110	45	0	0	169	12	8	1	18	8	0	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	85	24	10, 11	2	8 to 14	61	59	37	9	0	214	18	11	1	31	11	1	5
Plymouth	185	88	2	—	—	8, 10, 11	7	71	68	22	0	—	14	8	2	20	11	1	40
Lyme Regis	556	61	‡	—	—	—	—	102	41	25	0	—	11	13	3	16	10	7	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	9, 11 to 13	13	84	70	1	0	247	16	12	9	—	—	—	—
Quilty	100	40	‡	—	—	10 to 12	25	84	40	7	12	—	14	11	24	20	12	11	25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	9 to 13	32	105	33	8	0	160	14	10	21	31	10	20	50
Weaver Pt.	160	30	‡	—	—	8 to 10, 12, 13	30	82	55	1	0	—	15	9	22	24	9	23	10
1. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	10 to 12	22	113	26	7	0	281	14	11	6	22	10	4	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. (Vide Guide to Tables of the W.W.R.)
‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1918—December 8th to December 14th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	29	81·7	77·3	79·6	+ 2·6	23	+ 14	6	− 21	6	0	1·63	41	+ 8	1·0	+0·5	15	1003
Eastern.																			
1. SCOTLAND, EAST ..	58	24	82·1	76·2	79·3	+ 2·9	27	+ 18	12	− 23	5	+ 1	0·48	12	− 5	1·7	+0·7	25	1006
2. ENGLAND, N.E.	58	29	83·3	77·7	80·6	+ 3·2	33	+ 22	4	− 24	4	0	0·21	5	− 8	0·7	−0·5	10	1011
3. ENGLAND, EAST ...	58	34	84·2	78·9	81·6	+ 4·0	39	+ 26	0	− 28	6	+ 2	0·69	18	+ 3	0·5	−0·8	6	1015
4. MIDLAND COUNTIES ..	59	31	84·3	78·2	81·4	+ 4·1	39	+ 26	2	− 29	7	+ 3	0·62	16	− 2	0·7	−0·5	9	1014
5. ENGLAND, S.E.	59	32	84·8	80·2	82·6	+ 4·0	50	+ 30	0	− 19	6	+ 2	0·86	22	+ 3	0·4	−1·1	5	1016
Western.																			
6. SCOTLAND, WEST ...	57	32	83·2	78·4	80·9	+ 3·1	31	+ 18	1	− 20	6	+ 1	0·87	22	− 10	1·2	+0·3	17	1009
7. ENGLAND, N.W.	58	33	83·9	79·3	81·7	+ 3·6	39	+ 25	0	− 21	5	0	0·63	16	− 7	0·9	0·0	13	1011
8. ENGLAND, S.W.	58	31	84·6	80·4	82·6	+ 3·4	51	+ 28	0	− 14	6	+ 1	1·50	38	+ 7	1·1	−0·3	15	1015
9. IRELAND, NORTH ...	60	34	84·1	79·0	81·7	+ 3·4	39	+ 24	0	− 20	6	+ 1	0·71	18	− 5	2·5	+1·3	35	1006
10. IRELAND, SOUTH ...	60	31	85·2	79·6	82·5	+ 3·3	50	+ 27	0	− 15	6	+ 1	1·46	37	+ 11	2·6	+1·0	34	1011
11. ENGLISH CHANNEL ...	57	43	85·3	82·9	84·1	+ 2·9	70	+ 34	0	− 4	5	0	0·89	23	− 3	1·1	−0·7	14	1018

THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, December 1st to December 14th, 1918.

0. SCOTLAND, NORTH ...	59	29	82·9	78·5	80·8	+ 3·9	65	+ 47	6	− 50	12	0	2·74	69	− 11	0·7	+0·1	11	1002
Eastern.																			
1. SCOTLAND, EAST ...	59	24	83·2	77·5	80·5	+ 4·1	66	+ 49	12	− 57	10	+ 1	0·88	22	− 19	1·1	0·0	16	1005
2. ENGLAND, N.E.	60	29	84·1	78·9	81·6	+ 4·1	84	+ 63	4	− 50	9	+ 1	0·62	15	− 15	0·8	−0·5	10	1011
3. ENGLAND, EAST ...	59	34	84·4	79·4	82·0	+ 4·3	86	+ 59	0	− 55	12	+ 3	1·07	28	− 3	0·6	−0·7	8	1015
4. MIDLAND COUNTIES ...	59	31	84·8	79·4	82·2	+ 4·8	94	+ 67	2	− 59	12	+ 3	1·19	31	− 5	0·7	−0·5	9	1014
5. ENGLAND, S.E.	59	32	84·8	80·7	82·9	+ 4·2	107	+ 66	0	− 38	11	+ 2	1·23	31	− 12	0·5	−1·0	7	1016
Western.																			
6. SCOTLAND, WEST ...	57	30	83·8	79·8	81·9	+ 4·0	84	+ 57	1	− 39	13	+ 3	2·43	62	− 10	0·7	−0·3	9	1008
7. ENGLAND, N.W.	58	33	84·4	80·1	82·4	+ 4·2	96	+ 67	0	− 41	10	0	1·62	41	− 8	0·6	−0·4	8	1010
8. ENGLAND, S.W.	59	31	84·9	80·9	83·0	+ 3·7	111	+ 63	0	− 27	12	+ 2	2·59	66	− 1	0·8	−0·7	10	1014
9. IRELAND, NORTH ...	60	34	84·7	80·1	82·5	+ 4·2	99	+ 69	0	− 41	12	+ 1	1·59	40	− 10	1·5	−0·2	20	1004
10. IRELAND, SOUTH ...	60	31	85·5	80·7	83·2	+ 3·9	116	+ 68	0	− 30	12	+ 2	2·93	74	+ 19	1·6	0·0	21	1008
11. ENGLISH CHANNEL ...	57	43	85·2	82·8	84·1	+ 2·8	139	+ 64	0	− 7	11	0	1·55	40	− 19	0·9	−0·9	11	1017

THE YEAR 1918.—Aggregates, &c., for the Period of 50 Weeks, December 30th, 1917, to December 14th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·8	77·8	80·7	0·0	2003	− 88	622	− 91	235	− 1	52·81	1337	+ 96	3·1	−0·1	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·6	77·2	80·8	− 0·1	2194	−117	804	− 33	203	+ 4	29·15	738	− 21	3·6	−0·1	29	1012
2. ENGLAND, N.E.	84	9	85·8	78·9	82·2	+ 0·4	2810	+140	490	−121	177	− 3	22·55	572	− 37	4·0	−0·1	32	1014
3. ENGLAND, EAST ...	92	14	86·6	78·9	82·6	+ 0·2	3085	+ 14	492	−146	175	− 1	24·98	637	+ 53	4·4	−0·1	36	1016
4. MIDLAND COUNTIES ...	89	12	86·7	78·7	82·5	+ 0·4	3077	+116	527	−173	178	+ 3	26·89	684	+ 32	3·9	−0·1	31	1016
5. ENGLAND, S.E.	90	15	87·0	79·6	83·1	+ 0·1	3329	+ 23	418	− 63	172	0	28·37	720	+ 49	4·6	0·0	38	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·4	78·7	81·9	+ 0·2	2598	+ 30	465	− 80	221	+12	47·73	1214	+ 71	3·7	−0·1	30	1013
7. ENGLAND, N.W.	84	12	85·9	79·5	82·6	+ 0·4	2926	+121	360	−127	192	− 1	35·35	900	+ 39	4·1	+0·1	33	1014
8. ENGLAND, S.W.	82	16	86·5	79·9	83·1	+ 0·2	3174	+ 28	303	− 76	193	0	37·44	956	+ 10	4·6	+0·2	37	1016
9. IRELAND, NORTH ...	80	18	85·6	79·2	82·3	+ 0·2	2748	+ 67	334	−118	227	− 2	36·14	914	− 14	3·7	+0·1	30	1012
10. IRELAND, SOUTH ...	84	19	86·7	79·9	83·2	+ 0·3	3222	+105	260	− 89	216	+12	41·29	1051	+ 85	4·1	0·0	33	1015
11. ENGLISH CHANNEL ...	85	26	87·1	81·8	84·4	+ 0·1	3792	+ 39	97	− 20	190	−11	28·22	719	−80	5·5	+0·2	45	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: December 19th, 1918.

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AUTHORITY FOR ISSUE
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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 51.

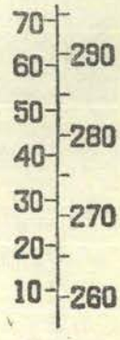
THE FIFTY-FIRST WEEK OF 1918.

SUNDAY, DECEMBER 15TH, TO SATURDAY, DECEMBER 21ST, 1918.

Price 6d., Post free 6½d
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was generally highest between the Azores and Spain, but it was relatively high to the northward of the British Islands. Numerous depressions travelling from west to east passed across the United Kingdom and the weather was very unsettled and changeable. Hail, sleet and snow showers occurred over the northern half of Great Britain about the middle of the week, while in many parts of Scotland at the end of the period "snow lying" was reported. Thunderstorms occurred at Colmonell (Ayrshire) and Southport on the 16th, and thunder was heard at Rhayader (Brecon) on the 18th. The mean temperature for the week was below the normal in Scotland and Ireland, but above it over England and the Channel, the largest differences being a deficit of 1·5 a. or 2 a. in Scotland, and a corresponding excess in England South-East, South-West, and the Channel. The maximum for the week over England invariably occurred on Sunday, temperature decreasing steadily day by day till the end of the week, when the lowest maxima and also the lowest minima were recorded. Over the inland parts of Scotland, between the 19th and 21st, daily maxima as low as 273 a. were common, and at Balmoral on the 20th it was no higher than 271 a. The lowest minima, about 266 a., were reported from the same region, at Balmoral, West Linton, and Eskdalemuir, on the 20th. Scotland North and East were comparatively dry, while in England South-East the total rainfall was only slightly more than the normal; in all other districts, however, the excess was considerable. On the 15th in North Wales and on the Lancashire coast the fall exceeded 20mm. at many stations, 29mm. at Holyhead and 52mm. at Beddgelert; at the latter station the total for the five days, 15th–19th, was as much as 152mm., = 5·98 inch. The daily mean of bright sunshine was rather large generally, some days being particularly bright. On the 16th in Devon and Cornwall there were about 5 hours, and on the 20th over a large area in the south-west of England and south of Ireland about 6 hours, at Torquay as much as 7 hours. Aurora was seen in many parts of Scotland on the 19th and 20th. Solar halos were reported from Oxford on the 21st, and also from Birmingham, with a mock sun, while lunar halos occurred in various parts of Great Britain and Ireland between the 15th and 19th; at Aberdeen there was a moon pillar on the 19th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	4·8	—	—	19	2·5	15	2·3	8	3·2	← 5	← 8·5	23	4·6	—	—
North	9	3·7	—	—	5	1·3	9	1·8	14	6·3	→ 20	→ 6·6	4	3·9	—	—
West	12	3·3	—	—	23	3·2	25	3·5	22	8·8	← 26	← 10·0	22	9·5	—	—
East	10	4·5	—	—	2	0·7	0	—	4	3·0	← 1	→ 3·7	5	3·9	—	—
Calm	6	—	—	—	1	—	2	—	1	—	—	—	0	—	—	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Moderate	Very heavy	Heavy	Heavy	Moderate	Heavy	Very heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Very abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 3 weeks from Dec. 1st, 1918.	Warmth ...	2, 0, 1	2, 0, 1	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	3, 0, 0
	Rainfall ...	0, 3, 0	0, 2, 1	1, 1, 1	2, 1, 0	1, 2, 0	0, 2, 1	1, 2, 0	1, 2, 0	2, 1, 0	1, 2, 0	3, 0, 0	1, 1, 1
	Sunshine ...	2, 0, 1	2, 0, 1	1, 0, 2	0, 1, 2	1, 0, 2	0, 1, 2	0, 2, 1	0, 2, 1	0, 2, 1	2, 0, 1	0, 2, 1	0, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/4° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(21021—19.) Wt. 199—789. 625. 12/18. D[illegible] S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a Lerwick	54	44	15th	31	17th	39·6	32·6	36·2	− 4·1	5	0·72	18	− 4									
a, Islands .. p Deerness	180	46	15th	34	17th	41·7	36·4	39·2	—	7	0·91	23	+ 4	Deerness ..	1·5	+ 0·9	25	•	•	•	•	•
a Stornoway	51	46	15th	29	20th	41·0	32·6	37·0	− 3·2	6	1·10	28	0	Stornoway ..	1·0	+ 0·3	16	•	•	•	•	•
a Castlebay, Barra Isd.	37	47	15, 17, 18	37	17, 18	45·4	39·3	42·5	—	7	0·71	18	—	Castlebay ..	0·8	—	13	•	•	•	•	•
b, Mainland. a Wick	81	44	19th	28	20th	41·6	32·0	37·0	− 2·2	5	0·87	22	+ 8	Fort Augustus..	—	—	—	•	•	•	•	•
p Glencarron	500	46	16—	26	19—20	39·9	31·0	35·6	−2·4	6	0·88	22	−2·6									
a Fort Augustus..	68	48	16, 19	24	20th	42·8	34·9	38·0	2·1·6	1	0·24	6	- 21									
p Fort William ..	171	47	15th	22	20th	39·7	30·7	35·4	− 4·5	4	1·02	26	- 20									
1. SCOTLAND, E.																						
a Nairn	82	45	15th	27	20th	38·4	31·1	34·9	− 2·8	5	0·61	16	+ 6	Nairn	1·6	—	25	•	•	•	•	•
p Gordon Castle.. ..	101	45	15th	29	19th	39·6	32·9	36·4	− 2·3	5	0·65	17	+ 5	Gordon Castle..	1·7	—	27	•	•	•	•	•
a Aberdeen	46	44	15th	29	20th	39·7	33·0	36·5	− 2·1	2	0·39	10	- 5	Aberdeen ..	1·5	+ 0·5	23	7	20	•	•	43·2	+1·1
a Balmoral	930	43	15th	18	20, 21	35·1	21·6	30·1	− 4·8	4	0·35	9	- 6	Balmoral ..	•	•	•	6	15	•	•	•	•
p Crieff	432	44	15th	27	19-21	39·0	30·0	34·7	− 2·9	2	0·46	12	- 9	Crathes	1·1	+ 0·1	17	6	18	36·9	-0·5	41·5	+1·2
a Dundee	244	43	16th	25	20th	39·3	29·1	34·4	− 3·3	2	0·21	5	- 7	Dundee	1·8	—	27	6	19	38·9	•	•	•
a Leith	30	51	15th	29	20th	41·3	34·3	37·9	− 2·1	3	0·16	4	- 5	Leith	—	—	—	6	22	•	•	•	•
p Edinburgh	441	43	15, 16	30	20th	39·9	33·1	36·6	− 2·4	3	0·13	3	- 7	Edinburgh ..	1·7	+ 0·4	25	4	26	•	•	•	•
a West Linton	769	40	15, 16	18	20th	36·1	28·0	32·2	− 2·7	3	0·46	12	—	West Linton ..	0·4	—	6	6	14	•	•	•	•
p Marchmont	498	42	17th	24	20th	39·0	29·4	34·4	− 2·7	2	0·16	4	- 9	Marchmont ..	1·4	+ 0·4	21	•	•	•	•	•	•
6. a, SCOTLAND, W																						
a Ford (Argyll)	149	45	15th	28	17th	40·5	36·8	38·8	—	6	2·33	59	—	Ford (Argyll) ..	•	•	•	?	?	41·7	•	45·5	•
p Glasgow Observatory	180	44	15th	29	20th	39·9	33·3	36·7	− 2·8	5	0·73	19	- 1	Glasgow.. ..	0·4	- 0·1	6	6	19	•	•	•	•
p Rothesay	200	45	15th	33	17, 19	41·1	34·6	38·0	− 2·4	7	1·11	28	+ 1	Rothesay ..	0·8	—	12	5	25	40·4	•	45·8	+1·8
a Kilmarnock	90	44	15, 17	28	17, 20	40·7	31·9	36·5	− 2·4	6	0·89	23	+ 3	Kilmarnock ..	0·4	—	6	•	•	40·2	•	45·4	•
a Colmonell	170	44	15th	29	17, 18	41·9	34·4	38·3	- 2·2	5	1·96	50	+ 23	Colmonell ..	•	•	•	5	25	•	•	•	•
p Cally, Gatehouse ..	120	45	15th	28	17, 21	40·0	32·0	36·2	- 2·2	6	2·00	51	+ 24	Dumfries ..	0·8	—	11	7	20	40·7	+0·9	45·1	+2·2
p Dumfries	180	45	15th	28	20th	40·7	32·9	37·0	- 1·7	4	0·89	23	+ 4	Eskdalemuir ..	1·5	—	22	7	14	•	•	•	•
a Eskdalemuir	794	40	15th	19	20, 21	36·1	27·4	31·9	—	4	0·95	24	—									
b, I. OF MAN p Douglas	277	47	15, 18	35	19, 21	45·0	37·7	41·5	- 0·5	7	3·04	77	+ 53	Douglas	1·1	- 0·1	15	2	30	•	•	•	•
2. ENGLAND, N.E																						
a Alnwick Castle ..	210	43	16, 18	29	20th	40·0	32·4	36·4	- 2·0	4	0·78	20	+ 6									
a Tynemouth	71	44	15, 16	31	20, 21	41·0	34·9	38·1	- 1·0	4	0·91	23	+ 13	Cockle Park ..	1·6	+ 0·2	23	5	23	37·3	- 0·7	43·1	+1·6
p Durham	336	46	17th	28	20, 21	41·4	31·6	36·7	- 0·9	5	0·85	22	+ 12	Durham ..	2·5	+ 1·3	36	6	16	•	•	•	•
a North .. p Rounton	249	44	16th	27	20, 21	39·6	31·4	35·7	- 1·9	4	1·16	29	+ 19	Rounton ..	•	•	•	7	17	40·4	•	•	•
a West Witton ..	605	43	16th	28	20th	39·9	34·0	37·1	—	6	2·29	58	—	West Witton ..	•	•	•	5	24	40·3	•	44·0	•
p Scarborough	100	55	15th	33	21st	46·0	39·9	43·1	+ 3·8	6	1·79	45	+ 34	Scarborough† ..	1·7	+ 0·7	24	•	•	•	•	48·0	•
p York	56	45	15th	30	20th	42·0	35·0	38·6	+ 0·1	5	1·76	45	+ 35	York	0·7	0·0	10	—	—	42·9	+1·8	45·9	+1·4
b, South .. a Spurn Head	26	51	15th	34	21st	42·9	37·6	40·4	+ 0·8	5	0·67	17	+ 8	Spurn Head ..	0·9	—	13	•	•	•	•	•	•
a Lincoln	58	53	15th	30	21st	43·4	35·6	39·7	+ 1·7	5	1·07	27	+ 17	Lincoln	•	•	•	3	24	42·9	+2·8	46·6	+2·1
a Fulbeck	180	54	15th	28	21st	43·6	34·0	39·0	+ 0·9	6	0·74	19	+ 8	Rauceby ..	1·6	+ 0·3	21	•	•	43·1	+2·1	47·0	+1·7
														Skegness ..	2·2	+ 0·7	30	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	51	15th	32	21st	44·4	35·4	40·1	+ 1·1	7	0·76	19	+ 11	Cromer	1·2	- 0·4	16	•	•	•	•	•	•
a Little Massingham ..	280	51	15th	28	21st	42·4	34·3	38·5	+ 0·7	6	1·32	34	+ 23	Lit. Massingham	1·4	+ 0·1	19	•	•	•	•	•	•
a Yarmouth	13	53	15th	31	21st	45·4	37·4	41·6	+ 2·7	6	0·96	24	+ 14	Yarmouth ..	1·5	—	20	1	30	46·3	+5·0	49·6	+3·9
a Norwich	93	53	15th	30	21st	43·6	37·3	40·6	+ 2·3	7	1·24	31	+ 21	Norwich ..	1·3	—	18	2	27	43·2	•	•	•
a Geldeston	37	54	15th	28	21st	45·6	35·3	40·7	+ 1·7	6	0·64	16	+ 7	Geldeston ..	1·5	- 0·1	20	•	•	•	•	•	•
p Cambridge	41	54	15th	29	21st	46·0	34·9	40·7	+ 2·3	4	0·50	13	+ 6	Cambridge ..	1·8	+ 0·4	24	4	24	45·2	+3·7	48·1	+2·4
a Clacton-on-Sea ..	54	51	15, 16	32	21st	46·1	40·6	43·5	+ 3·4	5	0·41	10	+ 3	Clacton	1·9	+ 0·3	25	2	27	45·9	+2·8	49·5	+2·4
a Rothamsted	424	52	15th	33	18, 20, 21	44·7	37·0	41·0	+ 2·6	6	0·94	21	+ 13	Rothamsted ..	2·4	+ 1·0	32	3	26	44·5	•	•	•
p Tottenham	51	54	15th	35	20, 21	47·3	40·7	44·1	—	6	0·46	12	—	Tottenham ..	1·4	—	18	1	30	•	•	48·9	+1·9
4. MIDLAND COUNTIES.																						
a Harrogate	479	45	16th	29	20th	40·4	33·3	37·0	- 0·5	5	1·82	46	+ 34	Harrogate ..	2·3	+ 1·1	32	6	21	41·3	+0·8	44·5	+2·1
a North .. p Sheffield	429	53	15th	33	19, 20	44·4	35·7	40·2	—	6	1·22	31	—	Sheffield.. ..	2·1	+ 1·0	29	5	28	42·0	+1·5	46·0	+1·6
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
a Bawtry	65	52	15th	29	21st	42·3	34·3	38·5	+ 0·5	6	0·69	18	+ 9	Worksop	0·9	0·0	13	6	20	42·1	•	45·5	•
a Nottingham	82	54	15th	31	21st	44·6	35·1	40·0	+ 1·3	7	0·96	24	+ 14	Nottingham ..	1·1	+ 0·2	15	5	25	41·4	+1·5	45·5	+2·5
b, East .. p Birmingham, Edgbas	535	52	15th	33	19, 20	44·6	36·7	40·8	+ 2·2	7	1·10	28	+ 17	Birmingham ..	0·7	- 0·2	10	3	27	41·0	+1·8	47·9	+1·7
a Raunds	203	53	15th	31	20, 21	45·1	35·1	40·3	+ 2·7	5	0·72	18	+ 8	Raunds	2·4	—	32	5	22	46·1	•	48·2	•
p Oxford	208	53	15th	33	21st	46·3	38·6	42·6	+ 3·2	7	0·69	18	+ 8	Oxford	1·8	+ 0·5	24	2	25	•	•	•	•
														Malvern ..	—	—	—	3	29	43·9	—	47·3	—
a Cheadle (N. Staffs.) .	616	50	15th	32	19-21	42·3	34·1	38·4	+ 1·1	7	1·52	39	+ 25	Cheadle	•	•	•	6	24	•	•	•	•
p Tenbury	313	52	15th	31	21st	46·0	36·9	41·6	+ 2·1	7	0·81	21	+ 12	Tenbury	•	•	•	3	26	44·0	•	•	•
c, West .. p Ross-on-Wye ..	201	54	15, 16	31	21st	48·1	37·6	43·1	+ 4·0	6	0·86	22	+ 10	Ross-on-Wye ..	1·4	—	18	2	27	—	—	—	—
a Clifton	226	55	15th	32	21st	47·6	41·1	44·5	+ 3·7	6	1·00	25	+ 8	Clifton	1·6	—	21	1	28	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	52	15th	28	21st	46·3	36·6	41·6	+ 3·5	7	0·75	19	+ 4	Worthing ..	2·3	+ 0·4	30	3	25	46·6	+3·3	50·0	+2·5
p Salisbury (Wilton) ..	180	52	15th	33	21st	46·9	34·1	40·7	+ 4·6	6	1·17	30	+ 13	Marlborough ..	1·3	0·0	17	4	21	41·7	•	48·8	•
a Wisley, Surrey ..	160	53	15th	32	21st	46·3	39·0	42·6	+ 3·6	5	0·27	7	- 4	Salisbury ..	•	•	•	2	28	46·2	•	•	•
a Tunbridge Wells ..	354	53	15th	33	21st	46·3	38·9	42·8	+ 3·5	6	0·60	15	+ 1	Wisley	2·0	+ 0·5	26	3	22	45·7	+3·4	48·3	+2·3
a Margate	51	54	15th	37	18th	47·3	41·4	44·5	+ 4·1	4	0·22	6	- 3	Tunbridge Wells	1·7	+ 0·2	22	3	24	46·4	+4·5	49·0	•
														Margate	1·0	- 0·5	13	0	33	46·9	+3·0	49·8	+3·4
a Dungeness	21	53	15th	32	21st	48·6	40·9	44·9	+ 4·0	6	0·48	12	0	Folkestone ..	1·7	—	22	•	•	•	•	50·0	•
p St. Leonards	178	54	15th	32	21st	48·5	39·4	44·1	+ 3·2	5	0·46	12	- 1	St. Leonards ..	2·5	+ 0·6	32	4	27	46·2	•	49·4	•
p Southampton	64	53	15th	31	21st	47·9	38·9	43·6	+ 2·6	6	0·70	18	+ 3	Southampton ..	2·4	+ 0·7	31	4	21	•	•	•	•
a Ventnor	59	53	15th	36	21st	49·7	42·0	46·0	+ 2·9	6	0·50	13	- 1	Ventnor	2·7	+ 0·8	34	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	54	15th	35	20th	46·5	40·6	43·7	+ 4·1	6	0·31	8	- 1	Richmond	2·1	+ 0·8	28	3	25	45·7	+3·6	48·0	+1·7
a Westminster	27	55	15th	33	20, 21	47·4	39·5	43·6	+ 3·0	6	0·40	10	+ 1	Westminster ..	1·4	+ 0·8	18	3	23	•	•	•	•
ag Greenwich	149	53	15th	34	21st	46·3	39·3	42·9	+ 3·3	6	0·39	10	- 1	Greenwich ..	1·4	+ 0·3	18	3	28	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	•	•	•	•
ag Camden Square ..	110	54	15th	32	21st	46·4	38·9	42·8	+ 3·1	6	0·42	11	+ 2	Camden Square	1·2	+ 0·6	16	4	25	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	44	15th	29	20th	40·1	33·6	37·0	- 1·6	5	1·16	30	+ 10	Aspatria.. ..	0·6	- 0·5	9	5	25	41·1	- 0·0	45·7	+0·7
p Newton Rigg	559	44	15th	28	20th	39·9	34·0	36·1	- 1·0	5	1·41	36	+ 17	Newton Rigg ..	1·2	+ 0·1	17	7	20	40·7	+0·5	44·3	+1·7
p Stonyhurst	375	51	15th	32	21st	42·6	34·1	38·0	+ 0·3	6	2·47	63	+ 41	Stonyhurst ..	1·0	+ 0·2	14	4	25	•	•	•	•
p Blackpool	66	50	15th	33	17, 18	45·4	37·0	41·4	+ 1·7	7	2·67	68	+ 53	Blackpool ..	0·8	- 0·3	11	4	21	41·0	•	47·2	•
a Southport	37	51	15th	32	20th	45·4	36·4	41·1	+ 1·3	7	2·73	69	+ 55	Southport ..	1·1	0·0	15	3	24	41·1	+1·3	45·3	+2·4
														Hoylake ..	0·8	- 0·5	11	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	53	15th	36	19th	45·6	39·4	42·6	+ 2·1	7	2·56	65	+ 53	Liverpool ..	1·0	—	14	1	30	•	•	•	•
a Hawarden Bridge .	22	55	15th	34	19th	47·7	38·7	43·4	+ 2·2	7	2·07	53	+ 43	Manchester(City)	0·1	- 0·1	1	4	28	42·9	+2·0	47·3	+2·1
p Manchester (Whit. Pk.)	125	53	15th	32	17th	45·3	35·1	40·4	+ 0·4	7	1·75	44	+ 30	Whitworth Park	0·1	- 0·3	1	—	—	•	•	•	•
b, NORTH WALES.																						
p Llandudno .. .	16	55	15th	38	16, 19, 21	48·0	39·7	44·0	+ 1·5	7	1·60	41	+ 27	Llandudno ..	0·6	- 0·7	8	•	•	•	•	•	•
a Holyhead .	15	52	15th	39	19th	47·3	42·3	44·9	+ 1·9	6	1·89	48	+ 29	Holyhead ..	1·0	—	14	0	35	•	•	•	•
a Beddgelert	309	50	15th	33	21st	46·0	38·0	42·2	—	7	6·45	164	—	Aberdovey ..	—	—	—	•	•	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	54	15th	36	21st	48·4	41·9	45·3	—	5	1·33	34	—	Aberystwyth ..	0·7	- 0·5	9	*	*	*	*	*	*
a Rhayader	757	51	15th	30	21st	44·0	36·4	40·4	—	7	3·03	77	—	Rhayader ..	1·0	—	13	2	24	*	*	*	*
a St. Ann's Head	149	53	15th	39	19th	49·9	44·4	47·3	+ 3·0	6	1·61	41	+ 21	St. Ann's Head ..	1·9	+ 0·5	25	*	*	*	*	*	*
p Cardiff	202	53	15th	32	21st	47·3	39·0	43·3	+ 2·8	7	1·71	43	+ 21	Cardiff	1·8	—	24	2	24	45·9	+3·7	48·6	+2·4
b, ENGLAND, S.W.																							
a Bath	66	55	15th	29	21st	49·0	39·7	44·5	+ 4·0	6	0·78	20	+ 5	Bath	*	*	*	*	*	47·4	+3·8	49·9	+2·7
a Shaftesbury	722	51	15th	32	21st	46·3	37·1	41·9	+ 2·8	6	0·80	20	+ 4	Shaftesbury ..	*	*	*	*	*	45·4	*	48·3	*
a Arlington	613	51	15th	31	21st	47·6	39·5	43·7	+ 3·1	6	2·06	52	+ 22										
a Hartland Quay ..	100	54	15th	44	19, 21	51·0	46·0	48·6	—	6	1·30	33	—										
a Newquay	190	53	15th	36	21st	50·3	42·9	46·8	+ 1·7	7	1·41	36	+ 17	Newquay ..	1·7	+ 0·1	22	0	32	49·2	*	51·2	*
a Cullompton	202	54	15th	29	21st	49·3	39·6	44·6	+ 3·7	6	1·46	37	+ 17	Cullompton ..	2·1	+ 0·8	27	2	21	47·3	*	*	*
a Portland Bill	19	54	15th	42	19, h	50·7	45·7	48·3	+ 4·0	6	0·55	14	+ 1	Weymouth ..	2·5	—	32	*	*	*	*	*	*
p Plymouth	116	53	15, 16	33	21st	49·7	41·7	45·9	+ 2·1	6	1·70	43	+ 21	Plymouth ..	2·5	+ 0·9	32	1	27	47·8	+2·5	51·1	*
a Falmouth	167	53	15th	36	21st	50·1	42·1	46·3	+ 1·5	7	2·04	52	+ 24	Falmouth ..	2·3	+ 0·5	29	1	30	49·3	*	52·0	*
9. IRELAND, N.																							
a West .. *a* Malin Head	208	48	18th	35	19, 20	45·7	38·9	42·4	+ 0·1	7	1·12	28	+ 10	Malin Head ..	0·9	—	13	*	*	*	*	*	*
a Blackwod Point ..	327	47	16, 17	35	19, 20	45·3	39·0	42·3	- 1·0	6	1·61	41	+ 9	Markree Castle	1·6	+ 0·6	23	4	25	43·8	+1·2	47·9	+1·4
p Markree Castle ..	122	48	16th	30	15, 16, 21	45·4	32·6	39·3	- 1·2	7	1·81	46	+ 21										
b, East .. *p* Armagh	196	45	19th	31	21st	43·0	33·8	38·5	- 1·7	6	0·76	19	+ 3	Armagh	1·6	+ 0·5	23	5	27	43·3	+1·6	47·4	+2·2
a Donaghadee	101	46	15, 17	33	19, 21	43·9	38·1	40·2	- 1·5	6	0·72	18	+ 1										
10. IRELAND, S.																							
p Dublin, City	47	48	18th	33	21st	45·0	38·9	41·1	- 1·3	6	1·04	26	+ 13	Trinity Coll. ..	*	*	*	4	23	44·7	+2·2	48·1	+2·7
a Birr Castle	175	48	21st	30	21st	45·7	36·4	41·2	+ 0·7	6	1·89	48	+ 30	Phœnix Park ..	2·0	+ 0·5	27	6	21	*	*	*	*
a Kilkenny	212	48	21st	27	21st	46·0	35·6	41·0	+ 0·4	6	1·12	28	+ 9	Dublin City ..	*	*	*	1	30	*	*	*	*
a Waterford	120	52	15th	31	21st	48·0	37·0	42·7	+ 0·1	5	1·28	32	+ 7	Birr Castle ..	1·3	- 0·1	18	2	22	*	*	*	*
p Seskin, Carrick-on-Suir	541	48	18th	31	21st	44·3	35·0	39·8	—	6	1·61	41	—	Seskin	2·2	—	30	1	25	*	*	*	*
a Cahir	199	48	21st	28	21st	45·7	34·7	40·4	- 0·4	6	2·06	52											
a Foynes	50	—	—	32	21st	—	38·9	—	—	7	2·43	62	+ 36										
a Cahirciveen (Val. Obs.)	30	52	17, 21	36	21st	49·6	41·9	45·9	+ 0·6	7	1·81	46	+ 10	Cahirciveen ..	0·9	- 0·4	12	0	34	*	*	*	*
a Killarney	174	54	21st	35	21st	49·2	34·6	44·6	+ 1·2	7	2·37	60	+ 21	Ballinacurra ..	1·9	+ 0·5	25	*	*	*	*	*	*
a Roche's Point	32	53	15th	35	21st	48·9	40·4	44·8	+ 0·3	7	1·64	42	+ 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	15th	40	19th	51·1	44·7	48·0	+ 1·1	6	1·06	27	+ 10	Scilly	1·9	+ 0·2	24	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	56	15th	37	21st	52·7	44·7	48·9	+ 4·4	6	1·18	30	+ 14	St. Heliers ..	2·3	+ 0·5	29	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	54	15th	38	21st	51·1	44·6	48·0	+ 3·4	6	1·31	33	+ 15	Guernseyǂ ..	2·2	+ 0·6	28	0	34	49·0	+2·5	51·8	+2·4

ǂ The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 21st, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	14, 15, 17, 18	29	58	56	25	0	157	15	18	1	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	51	—	—	—	—	14	81	73	0	157	9	18	2	16	18	2	10
Edinburgh	486	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	17	49	102	0	220 / 240	9	18	9 / 10	14	18	10	15
Paisley	188	81	15	—	—	—	—	6	90	72	0	157	7	17	21	16	18	6	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	8	65	95	0	349	9	17	3	17	17	2	40
South Shields	72	61	12	—	—	—	—	8	102	58	0	180	9	18	2	15	17	4	45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	10	—	—	—	—	38	119	11	0	146	8	18	5	—	—	—	—
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	15, 16, 18 to 20	11	111	43	3	0	203	16	18	6	25	18	19	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	19	3	55	92	18	0	293	13	19	22	27	19	22	10
5. ENGLAND, S.E.																			
Warlingham	642	33	‡	—	—	18	1	86	79	2	0	—	11	18	4	19	18	4	15
Brighton	261	58	6	—	—	18 to 20	9	86	63	19	0	—	16	19	24	26	20	0	25
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	15 to 20	36	112	20	0	0	234	15	18	17	22	18	17	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	34	114	20	0	193	10	19	23	20	13	18	35
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	9	52	107	0	247	8	16	21	13	16	20	45
Fleetwood (Cup Anr.) ..	109	44	—	19	2	16 to 19	20	71	63	12	0	23	20	19	18	—	—	—	—
Southport	80	62	40	19	1	16 to 20	43	68	48	8	0	247	19	19	19	26	19	18	50
Holyhead	60	40	‡	19, 20	3	16 to 20	68	65	32	0	0	—	20	19	16	27	19	15	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	15, 17, 18	4	15 & 21	66	74	21	3	0	203	14	17 —	23	26	18	20	45
Plymouth	185	88	2	—	—	15, 17, 18	—46	—73	—66	—13	—0	—	—13	15 —	—16	21	18	16	60
Lyme Regis	556	61	‡	—	—	17 to 21	21	102	37	8	0	—	15	18	2	23	19	19	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	48	27	—	19	6	16 to 21	69	64	25	4	0	236	19	19	10	—	—	—	—
Quilty	100	40	‡	17	2	16 to 2.	79	55	19	4	9	—	18	17	8	27	16	21	25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	17, 18, 19, 21	30	111	20	7	0	214	15	17	18	27	19	4	10
Weaver Pt.	160	30	‡	—	—	15–17, 19, 21	56	108	31	4	0	—	16	21	13	23	17	17	30
11. ENGLISH CHANNEL Scilly	150	32	‡	18, 19 —	26	15 to 21	81 —	64 —	14 —	3 —	0 —	293	20	18 —	19 —	33 —	19 —	2	15

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-FIRST WEEK of 1918—December 15th to December 21st, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	48	22	77·9	72·9	75·5	− 1·5	0	− 10	39	+ 10	4	− 1	0·79	20	− 8	1·3	+0·7	20	1002
Eastern.																			
1. SCOTLAND, EAST ...	51	18	76·6	72·1	74·4	− 1·8	0	− 8	52	+ 14	3	− 1	0·41	10	− 4	1·5	+0·6	23	1003
2. ENGLAND, N.E.	55	27	78·7	74·5	76·7	− 0·1	1	− 8	27	− 3	5	+ 1	1·08	27	+ 16	1·7	+0·6	24	1004
3. ENGLAND, EAST ...	54	28	80·3	75·8	78·1	+ 1·3	9	− 1	21	− 12	6	+ 2	0·80	20	+ 11	1·6	+0·2	22	1007
4. MIDLAND COUNTIES ...	55	29	80·1	75·4	77·8	+ 1·1	8	− 3	22	− 13	6	+ 2	1·02	26	+ 15	1·5	+0·4	21	1007
5. ENGLAND, S.E.	54	28	81·6	77·3	79·5	+ 1·8	22	+ 8	6	− 18	6	+ 3	0·55	14	+ 1	2·0	+0·4	26	1008
Western.																			
6. SCOTLAND, WEST ...	47	28	78·1	74·2	76·3	− 1·4	0	− 12	29	+ 6	6	+ 2	1·62	41	+ 14	0·8	−0·1	11	1005
7. ENGLAND, N.W.	55	28	80·1	75·8	78·0	+ 0·4	8	− 4	20	− 4	6	+ 2	1·96	50	+ 33	0·9	−0·2	12	1005
8. ENGLAND, S.W.	55	29	82·1	77·7	80·0	+ 1·3	25	+ 7	4	− 12	6	+ 2	1·57	40	+ 18	1·7	+0·3	23	1010
9. IRELAND, NORTH ...	48	30	80·1	75·3	77·8	− 0·4	8	− 6	24	+ 4	6	+ 1	1·32	33	+ 12	1·6	+0·5	23	1004
10. IRELAND, SOUTH ...	54	27	81·5	76·2	78·9	− 0·1	23	+ 1	12	− 3	6	+ 1	1·74	44	+ 19	1·5	+0·1	21	1009
11. ENGLISH CHANNEL ...	56	37	83·9	80·1	82·1	+ 1·5	44	+ 13	0	− 4	6	+ 1	1·18	30	+ 13	2·1	+0·4	29	1018

THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, December 1st to December 21st, 1918.

0. SCOTLAND, NORTH ...	59	22	81·2	76·6	79·0	+ 2·1	65	+ 37	45	− 40	16	− 1	3·~~53~~ 24	~~89~~ 95	− 12 3	0·9	+0·3	14	1002
Eastern.																			
1. SCOTLAND, EAST ...	59	18	81·0	75·7	78·4	+ 2·1	66	+ 41	64	− 43	13	0	1·29	32	− 23	1·2	+0·1	18	1004
2. ENGLAND, N.E.	60	27	82·3	77·4	80·0	+ 2·8	85	+ 55	31	− 53	14	+ 2	1·70	42	+ 1	1·1	−0·1	15	1008
3. ENGLAND, EAST ...	59	28	83·0	78·2	80·7	+ 3·3	95	+ 58	21	− 67	18	+ 5	1·87	48	+ 8	1·0	−0·4	13	1012
4. MIDLAND COUNTIES ...	59	29	83·2	78·0	80·7	+ 3·6	102	+ 64	24	− 72	18	+ 5	2·21	57	+ 10	0·9	−0·3	12	1011
5. ENGLAND, S.E.	59	28	83·7	79·6	81·7	+ 3·4	129	+ 74	6	− 56	17	+ 5	1·78	45	− 11	1·0	−0·5	13	1013
Western.																			
6. SCOTLAND, WEST ...	57	28	81·9	77·9	80·0	+ 2·2	84	+ 45	30	− 33	19	+ 5	4·05	103	+ 4	0·7	−0·3	10	1007
7. ENGLAND, N.W.	58	28	83·0	78·7	80·9	+ 2·9	104	+ 63	20	− 45	16	+ 2	3·58	91	+ 25	0·7	−0·4	9	1008
8. ENGLAND, S.W.	59	29	83·9	79·8	82·0	+ 2·9	136	+ 70	4	− 39	18	+ 4	4·16	106	+ 17	1·1	−0·4	14	1013
9. IRELAND, NORTH ...	60	30	83·2	78·5	80·9	+ 2·6	107	+ 63	24	− 37	18	+ 2	2·91	73	+ 2	1·5	+0·3	21	1004
10. IRELAND, SOUTH ...	60	27	84·1	79·2	81·7	+ 2·5	139	+ 69	12	− 33	18	+ 3	4·67	118	+ 38	1·6	+0·1	21	1008
11. ENGLISH CHANNEL ...	57	37	84·8	81·9	83·4	+ 2·3	183	+ 77	0	− 11	17	+ 1	2·73	70	− 6	1·3	−0·5	16	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 51 Weeks, December 30th, 1917, to December 21st, 1918.

0. SCOTLAND, NORTH ...	77	5	83·7	77·8	80·6	0·0	2003	− 98	661	− 81	239	− 2	53·~~62~~ 83	1~~35~~ 63	+ ~~88~~ 94	3·1	0·0	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·4	77·1	80·7	− 0·1	2194	−125	856	− 19	206	+ 3	29·56	748	− 25	3·6	−0·1	29	1012
2. ENGLAND, N.E.	84	9	85·6	78·8	82·1	+ 0·4	2811	+132	517	−124	182	− 2	23·63	599	− 21	3·9	−0·1	32	1014
3. ENGLAND, EAST ...	92	14	86·4	78·9	82·5	+ 0·2	3094	+ 13	513	−158	181	+ 1	25·67	654	+ 61	4·4	0·0	36	1015
4. MIDLAND COUNTIES ...	89	12	86·6	78·6	82·5	+ 0·5	3085	+113	549	−186	184	+ 5	27·91	710	+ 47	3·8	−0·1	31	1015
5. ENGLAND, S.E.	90	15	86·9	79·5	83·1	+ 0·2	3351	+ 31	424	− 81	178	+ 3	28·92	734	+ 50	4·6	0·0	38	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·2	78·6	81·8	+ 0·2	2598	+ 18	494	− 74	227	+14	49·35	1255	+ 85	3·7	−0·1	30	1013
7. ENGLAND, N.W.	84	12	85·7	79·4	82·5	+ 0·4	2934	+117	380	−131	198	+ 1	37·31	950	+ 72	4·0	0·0	33	1014
8. ENGLAND, S.W.	82	16	86·4	79·9	83·1	+ 0·3	3199	+ 35	307	− 88	199	+ 2	39·01	996	+ 20	4·5	+0·1	37	1016
9. IRELAND, NORTH ...	80	18	85·5	79·1	82·2	+ 0·2	27~~·6~~ 46	+ 61	358	−114	233	− 1	37·46	947	− 2	3·6	0·0	30	1012
10. IRELAND, SOUTH ...	84	19	86·6	79·8	83·1	+ 0·3	3245	+106	272	− 92	222	+13	43·13	1095	+101	4·1	+0·1	33	1015
11. ENGLISH CHANNEL ...	85	26	87·1	81·8	84·3	+ 0·1	3836	+ 52	97	− 24	196	−10	29·40	749	−67	5·5	+0·3	45	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: December 27th, 1918.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-FIRST YEAR. Vol. XXXV. (New Series.) } No. 52.

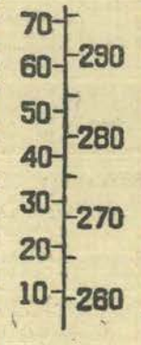
THE FIFTY-SECOND WEEK OF 1918.

SUNDAY, DECEMBER 22ND, TO SATURDAY, DECEMBER 28TH, 1918.

Price 6d., Post free 6½d
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was of an unsettled, changeable character, with frequent showers in all parts of the British Isles: over the northern districts the precipitation was mostly snow or sleet. Depressions passed across the country at the beginning and end of the period, when gales, mostly from the westward, were experienced on the more northern coasts, and strong winds in the south. Temperature remained low in Scotland all the week, the average being about 1 a. below the normal, but over England and Ireland the average exceeded the normal to the same extent, the beginning and end of the week being abnormally warm and only the middle days cold. At Balmoral the maximum on the 22nd was only 273 a., and on no day did the thermometer exceed 277 a.: in England and Ireland maxima of 286 a. occurred on either the first or last day, but on the 25th and 26th they were only about 277 a. Night frosts were general on the 25th and 26th, the lowest readings in the screen being, in Scotland, 265 a. at Balmoral and 266 a. at Eskdalemuir, and over England, 267 a. at Salisbury and 269 a. at Newton Rigg and Marlborough: on the grass the thermometer recorded 262 a. at Balmoral and 265 a. in many parts of Great Britain. Rain-days were rather numerous, and the total rainfall exceeded the normal except in England S.E., the excess being greatest in Scotland W., England N.W., and Ireland N. Measurements of 20mm. and more occurred on the 22nd at several western and northern stations. In all districts the daily mean of bright sunshine exceeded the normal: at some stations in England south-west on the 25th nearly six hours were recorded, and at Weymouth as much as 6·4 hr., while on the 26th similar results were obtained in England south-east. A brilliant display of aurora borealis occurred over Scotland and in many parts of England and Ireland on Wednesday, the phenomenon being witnessed as far south as Tenbury, Worcestershire and Geldeston, Norfolk. A solar halo was seen at Oxford on the 26th, and lunar halos at Aberdeen on the 22nd and 27th, and at Dundee on the 26th and 27th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	7·4	17	4·1	22	3·2	15	2·9	13	4·6	4	3·4	24	3·9	16	6·3
North	13	4·8	4	3·2	2	2·9	9	2·0	13	6·7	16	4·9	3	1·8	11	4·0
West	20	7·1	25	6·9	22	3·8	24	3·6	26	8·1	28	6·6	26	8·2	24	7·3
East	4	7·3	0	—	4	2·2	2	2·2	2	3·1	—	—	1	3·3	2	0·9
Calm	4	—	1	—	0	—	2	—	0	—	—	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Very heavy	Heavy	Very heavy	Moderate	Heavy
	Sunshine ...	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 4 weeks from Dec. 1st, 1918.	Warmth ...	2, 1, 1	2, 1, 1	2, 2, 0	3, 1, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	3, 1, 0	3, 1, 0	2, 2, 0	3, 1, 0
	Rainfall ...	1, 3, 0	1, 2, 1	2, 1, 1	3, 1, 0	2, 2, 0	0, 3, 1	2, 2, 0	2, 2, 0	3, 1, 0	2, 2, 0	3, 1, 0	2, 1, 1
	Sunshine ...	2, 1, 1	3, 0, 1	1, 1, 2	0, 2, 2	1, 1, 2	0, 2, 2	1, 2 1	1, 2, 1	0, 3, 1	2, 1, 1	0, 3, 1	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(21059—19.) Wt. 199—789. 625. 1/19. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	°/c.		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..																							
p Deerness	160	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	0·4	- 0·2	7	•	•	•	•	•	•
a Stornoway	51	49	26th	33	25th	41·9	34·4	38·3	- 1·5	7	1·18	30	- 1	Stornoway	0·9	+ 0·3	15	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	49	26th	33	23rd	44·0	37·0	40·6	—	5	0·87	22	—	Castlebay	0·6	—	9	•	•	•	•	•	•
b, Mainland. a Wick	81	44	26th	32	22, 26	40·9	33·1	37·2	- 1·5	7	1·69	43	+ 28										
p Glencarron	500	47	26th	27	26th	39·7	30·6	35·3	- 2·3	6	2·06	52	- 2										
a Fort Augustus	68	48	27th	23	22, 26	40·6	28·1	34·6	- 3·5	3	1·50	38	+ 8	Fort Augustus	—	—	—	•	•	•	•	•	•
p Fort William	171	47	26, 27	28	26th	41·3	31·6	36·6	- 2·9	5	1·54	39	- 13										
1. SCOTLAND, E.																							
a Nairn	82	43	26th	28	22, 23	39·7	31·0	35·5	- 1·8	6	0·79	20	+ 8	Nairn	0·3	—	5	•	•	•	•	•	•
p Gordon Castle	101	47	26, 27	30	22nd	40·7	32·4	36·7	- 1·6	6	0·58	15	+ 2	Gordon Castle	0·7	—	11	•	•	•	•	•	•
a Aberdeen	46	48	26th	29	22nd	41·1	32·3	36·9	- 1·2	6	0·83	21	+ 5	Aberdeen	1·9	+ 0·9	30	6	21	•	•	41·6	+0·1
a Balmoral	930	39	27th	17	22, 26	35·4	26·3	31·0	- 3·5	5	1·02	26	+ 9	Balmoral	•	•	•	6	12	•	•	•	•
p Crieff	432	46	27th	25	22, 24	39·7	29·7	34·9	- 2·3	4	0·50	13	- 11	Crathes	1·4	+ 0·3	21	6	19	34·9	-1·8	39·9	+0·4
a Dundee	244	48	26th	23	26th	39·3	27·3	33·5	- 3·8	4	0·43	11	- 2	Dundee	2·8	—	42	7	20	35·3	•	•	•
a Leith	30	51	26th	29	26th	43·6	32·9	38·5	- 1·1	4	0·58	15	+ 5	Leith	—	—	—	4	22	•	•	•	•
p Edinburgh	441	49	27th	28	26th	42·9	33·0	38·2	- 0·3	4	0·51	13	+ 2	Edinburgh	1·9	+ 0·7	28	4	23	•	•	•	•
a West Linton	769	49	26th	21	26th	40·6	28·7	34·9	+ 0·4	4	1·19	30	—	West Linton	1·4	—	20	6	16	•	•	•	•
p Marchmont	498	44	28th	26	26th	40·0	30·6	35·5	- 1·2	2	0·65	17	+ 3	Marchmont	1·6	+ 0·6	23	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	48	26th	28	24, 26	43·7	32·0	38·1	—	7	2·03	52	—	Ford (Argyll)	•	•	•	4	19	38·3	•	43·7	•
p Glasgow Observatory	180	48	27th	29	26th	42·0	33·9	38·1	- 1·0	6	1·60	41	+ 19	Glasgow	2·0	+ 1·6	30	4	19	•	•	•	•
p Rothesay	200	49	27th	31	24th	42·3	34·1	38·4	- 1·6	7	2·31	59	+ 30	Rothesay	2·0	—	30	3	24	38·0	•	43·6	0·0
a Kilmarnock	90	50	28th	27	26th	43·9	33·6	39·0	+ 0·6	6	1·31	33	+ 11	Kilmarnock	1·6	—	23	•	•	37·4	•	43·6	•
a Colmonell	170	50	28th	28	26th	44·1	34·9	39·7	- 0·2	6	1·66	42	+ 13	Colmonell	•	•	•	2	25	•	•	•	•
p Cally, Gatehouse	120	50	28th	24	26th	44·9	33·3	39·2	+ 0·3	5	2·22	56	+ 26	Dumfries	1·6	—	23	4	18	39·3	-0·1	43·2	+0·8
p Dumfries	160	50	27th	25	26th	44·0	32·9	38·7	+ 0·3	5	1·12	29	+ 8	Eskdalemuir	2·2	—	32	6	12	•	•	•	•
a Eskdalemuir	794	47	26th	19	26th	40·7	25·9	33·6	—	5	1·85	47	—										
b. I. OF MAN p Douglas	277	51	22, 28	32	25, 26	47·3	37·7	42·7	+ 1·1	5	1·65	42	+ 16	Douglas	1·6	+ 0·6	23	2	25	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Ainwick Castle	210	50	26th	26	22nd	43·7	31·7	37·9	- 0·2	4	0·79	20	+ 6										
a Tynemouth	71	49	26th	30	22nd	44·0	32·4	38·4	- 0·4	5	0·69	17	+ 7	Cockle Park	2·2	+ 0·8	32	5	20	34·9	-2·6	40·5	-0·6
p Durham	336	50	27th	25	22nd	42·9	32·3	37·6	+ 0·5	5	0·73	19	+ 9	Durham	2·1	+ 0·9	30	4	16	•	•	•	•
p Rounton	249	50	28th	25	22nd	42·7	32·1	37·6	+ 0·3	7	0·90	23	+ 13	Rounton	•	•	•	5	16	36·8	•	•	•
a West Witton	605	49	26, 27	26	26th	43·1	30·7	37·2	—	6	1·17	30	—	West Witton	•	•	•	6	20	37·1	•	42·6	•
p Scarborough	100	48	28th	31	28th	43·9	36·0	40·1	+ 1·1	7	1·04	26	+ 14	Scarborough†	1·6	+ 0·6	23	•	•	•	•	37·5	•
p York	56	52	28th	28	26th	44·0	34·4	39·4	+ 1·2	4	0·66	17	+ 6	York	0·8	+ 0·1	11	—	—	39·1	-1·4	44·6	+0·7
b, South .. a Spurn Head	26	47	27, 28	32	26th	43·7	35·3	39·7	+ 0·5	6	0·71	18	+ 9	Spurn Head	0·8	—	11	•	•	•	•	•	•
a Lincoln	58	53	27, 28	28	26th	46·6	33·0	40·1	+ 2·4	4	0·62	16	+ 6	Lincoln	•	•	•	5	23	38·1	-1·4	45·1	+1·4
a Fulbeck	180	52	27, 28	27	26th	46·0	32·6	39·6	+ 1·8	6	0·90	23	+ 12	Rauceby	0·8	- 0·4	11	•	•	38·5	-1·9	45·8	+1·0
														Skegness	1·3	- 0·2	18	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	53	28th	31	22, 25, 27	46·7	33·7	40·5	+ 2·0	5	0·78	20	+ 10	Cromer	1·4	+ 0·2	19	•	•	•	•	•	•
a Little Massingham	280	52	28th	27	26th	45·1	30·9	38·3	+ 1·0	4	1·24	31	+ 17	Lit. Massingham	0·9	- 0·1	12	•	•	•	•	•	•
a Yarmouth	13	54	28th	30	22, 25	46·0	33·3	39·9	+ 1·5	5	0·75	19	+ 7	Yarmouth	1·8	—	24	3	28	42·0	+1·5	48·1	+3·0
a Norwich	93	54	28th	30	26, 27	46·0	33·0	39·8	+ 2·0	6	1·37	35	+ 22	Norwich	1·5	—	20	5	25	38·0	•	•	•
a Geldeston	37	55	28th	28	25, 27	47·6	31·6	39·9	+ 1·4	5	1·15	29	+ 18	Geldeston	1·5	+ 0·3	20	•	•	•	•	•	•
p Cambridge	41	54	28th	27	26th	47·7	33·7	40·8	+ 2·5	3	0·38	10	+ 0	Cambridge	1·7	+ 0·6	23	5	22	40·2	-0·6	46·5	+1·5
a Clacton-on-Sea	54	52	28th	30	27th	46·0	34·7	40·6	+ 2·0	6	0·52	13	+ 4	Clacton	1·8	+ 0·5	24	3	27	41·3	-1·0	47·5	+1·0
a Rothamsted	424	52	22, 28	28	24, 26	46·9	32·9	40·2	+ 2·3	5	0·68	17	+ 3	Rothamsted	1·9	+ 0·7	25	4	21	41·5	•	•	•
p Tottenham	51	54	22, 28	31	25th	47·9	35·6	42·0	—	4	0·41	10	—	Tottenham	0·2	—	3	4	24	•	•	47·5	+1·1
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	49	26, 27	28	22, 26	43·7	31·6	37·9	+ 0·8	5	1·48	38	+ 22	Harrogate	1·8	+ 0·7	25	4	23	38·2	-1·9	42·1	+0·1
p Sheffield	429	52	28th	30	26th	45·0	35·4	40·4	—	6	1·54	39	—	Sheffield	1·5	+ 0·5	21	3	24	38·5	-1·4	44·8	+0·9
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East .. a Bawtry	65	53	27, 28	27	26th	45·9	33·0	39·7	+ 2·0	4	0·50	13	+ 1	Worksop	0·8	0·0	11	5	17	37·8	•	43·1	•
a Nottingham	82	54	28th	28	26, 27	47·4	32·9	40·4	+ 2·1	5	1·19	30	+ 17	Nottingham	0·5	- 0·3	7	5	20	37·8	-1·5	43·0	+0·6
p Birmingham, Edgbsn.	535	53	28th	30	26th	45·3	35·4	40·8	+ 2·4	4	0·80	20	+ 5	Birmingham	1·2	+ 0·4	16	4	19	40·8	-0·9	46·9	+1·0
a Raunds	203	54	28th	25	26th	48·9	31·9	40·7	+ 3·5	5	0·56	14	+ 1	Raunds	1·5	—	20	6	19	42·5	•	47·8	•
p Oxford	208	53	22nd	28	26th	47·0	35·0	41·2	+ 2·2	5	0·50	13	- 1	Oxford	1·9	+ 0·7	25	4	17	•	•	•	•
														Malvern	—	—	—	3	27	39·8	—	45·6	—
c, West .. a Cheadle (N. Staffs.)	646	51	28th	27	26th	44·1	33·0	38·8	+ 1·9	5	1·43	36	+ 18	Cheadle	•	•	•	4	18	•	•	•	•
p Tenbury	313	54	28th	26	26th	47·3	35·1	41·4	+ 2·3	4	0·39	10	- 2	Tenbury	•	•	•	3	20	40·2	•	•	•
p Ross-on-Wye	201	55	28th	25	26th	49·0	36·1	42·8	+ 3·8	5	0·39	10	- 6	Ross-on-Wye	1·7	—	22	3	22	—	—	—	—
a Clifton	226	52	22, 28	29	26th	48·4	35·0	42·0	+ 1·7	4	0·95	24	+ 2	Clifton	1·5	—	20	4	25	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	22nd	24	26th	48·6	31·7	40·5	+ 2·4	6	0·63	16	- 2	Worthing	2·3	+ 0·8	30	4	21	41·9	-0·5	48·7	+1·9
p Salisbury (Wilton)	180	54	22nd	22	26th	47·7	33·1	40·7	+ 2·0	6	0·48	12	- 9	Marlborough	1·5	+ 0·5	20	5	17	40·5	•	47·6	•
a Wisley, Surrey	150	54	22, 28	28	26th	48·7	35·1	42·2	+ 3·1	4	0·44	11	- 2	Salisbury	•	•	•	4	21	41·5	•	•	•
a Tunbridge Wells	354	53	22, 28	27	25, 26	48·1	32·9	40·8	+ 1·7	6	0·49	12	- 6	Wisley	2·0	+ 0·8	26	4	16	41·3	-0·3	47·0	+1·6
a Margate	51	55	28th	33	25th	47·9	36·9	42·6	+ 2·8	4	0·40	10	- 2	Tunbridge Wells	1·6	+ 0·4	21	4	17	42·6	+1·6	47·5	•
														Margate	0·4	- 0·8	5	3	28	42·9	-0·3	48·0	+1·9
a Dungeness	21	51	22nd	28	26th	48·1	34·4	41·5	+ 0·8	6	0·43	11	- 3	Folkestone	1·4	—	18	•	•	•	•	48·4	•
p St. Leonards	178	53	22nd	30	25th	47·5	37·2	42·6	+ 1·8	7	0·56	14	- 2	St. Leonards	2·3	+ 0·8	30	3	27	41·3	•	48·2	•
p Southampton	64	55	28th	27	26th	48·9	35·9	42·7	+ 1·8	4	0·30	8	- 11	Southampton	2·1	+ 0·8	27	3	17	•	•	•	•
a Ventnor	59	53	22nd	33	25, 26	49·3	39·0	44·4	+ 1·5	6	0·75	19	+ 2	Ventnor	2·4	+ 1·0	30	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	54	22nd	29	25, 27	47·8	33·9	41·1	+ 1·5	6	0·52	13	+ 1	Richmond	1·4	+ 0·2	18	4	20	40·6	-0·9	47·1	+1·3
a Westminster	27	54	23, 28	27	26th	48·8	33·6	41·5	+ 1·0	5	0·52	13	+ 2	Westminster	0·3	- 0·3	4	5	20	•	•	•	•
ag Greenwich	149	54	22, 28	28	26th	48·3	33·7	41·3	+ 1·7	5	0·45	11	+ 1	Greenwich	0·9	- 0·2	12	5	21	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	•	•	•	•
ag Camden Square	110	54	22nd	27	26th	48·3	33·4	41·2	+ 1·6	5	0·49	12	+ 2	Camden Square	0·3	- 0·4	4	4	20	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	22, 28	27	26th	43·6	34·1	39·0	+ 0·7	6	1·57	40	+ 19	Aspatria	1·4	+ 0·4	20	4	23	39·1	-1·7	44·1	- 0·5
p Newton Rigg	559	50	28th	24	26th	43·6	32·6	38·3	+ 1·4	6	1·46	37	+ 16	Newton Rigg	2·6	+ 1·3	31	5	19	37·8	-2·0	42·5	+0·1
p Stonyhurst	375	50	28th	28	26th	44·7	34·7	39·9	+ 1·6	7	2·80	71	+ 46	Stonyhurst	1·0	+ 0·3	14	2	20	•	•	•	•
p Blackpool	66	49	22, 27, 28	29	26th	45·9	36·0	41·2	+ 1·9	6	1·65	42	+ 28	Blackpool	1·6	+ 0·6	22	4	16	41·3	•	46·5	•
a Southport	37	49	22, 26–28	28	26th	46·0	35·7	41·1	+ 1·7	6	1·92	49	+ 33	Southport	1·5	+ 0·5	21	2	20	38·8	-0·5	43·3	+0·8
														Hoylake	1·9	+ 0·7	26	•	•	•	•	•	•
a Liverpool (Bidston)	188	53	27, 28	27	26, 27	48·3	34·1	41·5	+ 1·4	7	2·06	52	+ 39	Liverpool	1·5	—	21	2	24	•	•	•	•
a Hawarden Bridge	22	55	27th	31	26th	49·3	39·3	44·5	+ 3·8	4	1·40	36	+ 25	Manchester (City)	0·6	+ 0·4	8	3	23	39·0	-1·3	45·9	+1·3
p Manchester (Whit. Pk.)	125	53	28th	26	26th	45·9	34·9	40·6	+ 1·0	6	1·93	49	+ 33	Whitworth Park	0·5	+ 0·1	7	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	54	27th	35	25, 26	49·9	39·6	45·0	+ 2·9	6	1·04	26	+ 10	Llandudno	0·8	- 0·4	11	•	•	•	•	•	•
a Holyhead	15	53	27, 28	38	22nd	48·6	40·7	44·8	+ 2·3	4	1·10	28	+ 8	Holyhead	0·7	—	10	0	34	•	•	•	•
a Beddgelert	309	57	22nd	31	26th	51·0	36·1	43·9	—	7	6·49	165	—	Aberdovey	—	—	—	—	—	•	•	•	•
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F	°F.	°F.	°F.		mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	50	27, 28	33	26th	47·0	38·3	42·8	—	5	0·99	25	—	0·5	− 0·5	7	•	•	•	•	•	•
a Rhayader	757	51	22, 27, 28	26	26th	46·4	33·7	40·3	—	7	3·12	79	—	1·5	—	20	3	18	•	•	•	•
a St. Ann's Head	149	53	22nd	39	25th	49·3	43·7	46·6	+ 2·7	5	0·53	13	− 12	2·0	+ 0·9	26	•	•	•	•	•	•
p Cardiff	202	51	22, 27, 28	29	26th	47·4	36·7	42·3	+ 2·2	5	2·07	53	+ 26	2·3	—	30	5	19	41·4	−0·5	47·5	+1·8
b, ENGLAND, S.W.																						
a Bath	66	55	22nd	25	26th	49·7	32·9	41·6	+ 1·4	5	0·68	17	− 1	•	•	•	•	•	43·1	+0·3	48·5	+1·7
a Shaftesbury	722	51	22, 27, 28	29	25, 26	47·7	34·3	41·3	+ 2·7	5	0·79	20	− 0·3	•	•	•	•	•	40·8	•	47·2	•
a Arlington	613	51	22nd	32	25, 26	47·3	36·4	42·1	+ 1·9	7	3·04	77	+ 41									
a Hartland Quay ..	100	—	—	—	—	—	—	—	—	—	—	—										
a Newquay	190	53	22nd	38	24th	49·6	46·0	45·6	+ 0·8	6	0·91	23	− 1	Newquay ..	1·6	+ 0·3	20	0	31	46·8	•	50·5	•
a Cullompton	202	54	22nd	28	26th	49·6	34·3	42·3	+ 1·7	7	1·04	27	+ 3	Cullompton ..	2·0	+ 1·0	26	4	19	43·0	•	•	•
a Portland Bill	19	53	23, 28	38	26th	49·6	42·7	46·3	+ 2·5	5	0·66	17	+ 1	Weymouth ..	2·4	—	30	•	•	•	•	•	•
p Plymouth	116	54	22nd	33	25, 26	49·7	40·0	45·0	+ 1·6	7	1·06	27	0	Plymouth ..	2·0	+ 0·7	25	4	25	44·0	−0·8	49·6	•
a Falmouth	167	54	22nd	36	26, 27	50·0	39·9	45·2	+ 0·8	7	1·44	37	+ 3	Falmouth ..	1·8	+ 0·4	23	1	28	46·2	•	50·7	•
9. IRELAND, N.																						
a West .. { *a* Malin Head	208	49	26th	36	25th	46·1	38·0	42·2	+ 0·5	6	1·65	42	+ 24	Malin Head ..	0·7	—	−10	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	55	26th	34	24, 25	48·4	38·9	43·8	+ 0·4	6	1·73	44	+ 11	Markree Castle	0·6	− 0·3	8	3	26	42·1	−0·1	46·7	+0·7
{ *p* Markree Castle ..	122	54	28th	32	25, 26	48·9	37·1	43·2	+ 3·2	7	2·64	67	+ 41									
b, East .. { *p* Armagh	196	51	22, 27, 28	31	24th	47·3	36·0	41·9	+ 2·6	6	1·47	37	+ 20	Armagh	1·6	+ 0·6	23	4	26	41·0	−0·4	45·7	+0·9
{ *a* Donaghadee .. .	101	51	27th	32	22nd	46·6	35·7	41·4	+ 0·2	6	1·31	33	+ 16									
10. IRELAND, S.																						
p Dublin, City	47	54	22nd	32	25, 26	48·1	38·1	43·3	+0·9	4	0·61	15	0	Trinity Coll. ..	•	•	•	•	•	—	—	—	—
a Birr Castle	175	53	22nd	31	25, 26	47·4	35·7	41·8	+ 1·3	5	0·99	25	+ 5	Phœnix Park ..	1·4	0·0	19	5	19	•	•	•	•
a Kilkenny	212	54	22, 28	28	26th	48·6	34·4	41·8	+ 1·2	5	0·48	12	− 9	Dublin City ..	•	•	•	2	28	•	•	•	•
a Waterford	120	55	28th	31	26th	49·9	38·1	44·2	+ 1·6	4	0·26	7	− 20	Birr Castle ..	1·9	+0·7	26	3	24	•	•	•	•
p Seskin, Carrick-on-Suir	541	55	22nd	31	25th	48·7	37·6	43·4	—	6	0·33	8	—	Seskin	2·4	—	32	3	25	•	•	•	•
a Cahir	199	54	22, 27, 28	29	26th	48·4	36·9	42·9	+ 2·0	4	0·71	18	—									
a Foynes	50	54	22, 28	33	25th	49·4	39·1	44·5	+ 1·8	6	1·45	37	+ 9									
a Cahirciveen (Val. Obs.)	30	54	22nd	35	26th	50·4	42·3	46·5	+ 1·3	7	1·03	26	− 13	Cahirciveen ..	1·2	+ 0·1	16	0	32	•	•	•	•
a Killarney	174	56	22, 27, 28	34	25th	51·2	38·0	44·9	+ 1·5	7	2·10	53	+ 10	Ballinacurra ..	1·9	+ 0·6	25	•	•	•	•	•	•
a Roche's Point	32	55	22nd	34	26th	49·1	40·9	45·2	+ 0·8	6	0·37	10	− 21									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	53	22, 23	40	25, 26	51·1	43·6	47·5	+ 0·9	7	0·66	17	− 6	Scilly	1·6	− 0·1	20	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	55	22nd	36	26, 27	51·1	41·0	46·3	+ 2·2	7	1·54	39	+ 17	St. Heliers ..	1·9	+ 0·1	24	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	22, 28	36	26th	50·3	42·0	46·3	+ 2·0	6	1·40	36	+ 12	Guernsey† ..	2·0	+ 0·4	25	1	29	46·3	+0·4	50·2	+1·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 28th, 1918.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	23	1	22 to 24, 26, 27	54	60	32	21	0	315	19	23	11	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	28	89	38	13	315	10	23	10	24	23	8 50
Aberdeen	153	105	52	23	2	22 to 24	10	60	72	24	0	304	20	23	9	32	23	11 45
Edinburgh	485	39	31	26	3	22 to 24, 26, 27	29	96	35	5	0	191	21	26	19	30	26	18 30
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	23 to 27	42	67	26	33	0	260	17	27	6	24	27	3 5
Paisley	188	81	15	—	—	23, 26	3	47	82	36	0	191	12	26	18	23	26	17 55
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	— —
South Shields	72	61	12	—	—	—	—	50	99	28	0	315	9	23	12	18	23	13 15
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	— —
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	10	—	—	22	2	64	100	2	0	135	12	22	17	—	—	— —
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	— —
Shoeburyness	103	90	‡	—	—	23, 27	12	112	44	0	0	203	15	27	4	23	23	1 0
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	63	76	29	0	270	10	23	6	21	23	6 5
5. ENGLAND, S.E.																		
Warlingham	642	33	‡	—	—	—	—	58	101	1	8	—	10	27	5	18	27	6 0
Brighton	261	53	6	—	—	23	3	87	72	6	0	—	12	23	7	24	23	8 40
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	— —
Butler's Cross, S'y Plain	550	43	‡	—	—	22, 23, 27, 28	41	85	42	0	0	270	17	23	6	23	23	6 15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	38	97	33	0	236	8	23	6	18	22	20 30
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	64	68	36	0	247	10	23	20	19	23	2 45
Fleetwood (Cup Anr.) ..	109	44	—	23	7	22 to 25, 27, 28	51	68	38	4	0	315	22	23	10	—	—	— —
Southport	80	62	48	23, 25, 28	13	22 to 28	61	74	20	0	0	315	20	23	11	26	23	11 15
Holyhead	60	40	‡	23	1	22 to 28	88	63	16	0	0	259	17	23	4	25	23	3 50
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	23	4	22, 23, 26 to 28	55	68	40	1	0	247	19	23	7	27	23	6 50
Plymouth	185	88	2	—	—	23	8	53	76	31	0	—	14	23	8	27	23	7 15
Lyme Regis	556	61	‡	—	—	22, 23, 27	14	64	66	24	0	—	15	23	9	22	23	9 20
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	22, 23, 27, 28	9	22 to 28	51	80	26	2	0	247	20	22	17	—	—	— —
Quilty	100	40	‡	—	—	22 to 24, 26 to 28	44	109	11	4	0	—	17	23	1	25	23	0 30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	22, 23, 27, 28	21	115	27	5	0	250	17	23	3	26	24	24 0
Weaver Pt.	100	30	‡	—	—	22, 23, 26, 28	15	110	42	1	0	—	13	23	5	22	23	5 10
11. ENGLISH CHANNEL																		
Scilly	150	32	‡	+ 23	+ 6	22 & 28	+ 91	+ 60	+ 6	+ 0	+ 5	+ 337	+ 31	+ 23	+ 9	27 +	23 + 8 +	40 +

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1918 - December 22nd to December 28th, 1918.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	49	23	77·8	72·9	75·4	− 1·4	0	− 7	39	+ 6	6	+ 1	1·53	39	+ 7	0·7	+0·1	10	996
Eastern.																			
1. SCOTLAND, EAST ...	51	17	77·5	72·2	74·9	− 1·1	0	− 6	46	+ 4	5	+ 1	0·77	20	+ 4	1·7	+0·7	25	998
2. ENGLAND, N.E.	53	25	79·8	73·7	76·9	+ 0·2	6	− 2	34	+ 1	5	+ 1	0·77	20	+ 9	1·5	+0·3	21	1002
3. ENGLAND, EAST ...	55	27	81·2	73·8	77·6	+ 1·1	13	+ 5	35	0	5	+ 1	0·81	21	+ 9	1·4	+0·3	18	1006
4. MIDLAND COUNTIES ...	55	25	81·2	74·1	77·8	+ 1·3	13	+ 3	34	− 3	5	+ 1	0·82	21	+ 6	1·4	+0·3	18	1006
5. ENGLAND, S.E.	55	22	82·1	74·7	78·5	+ 0·9	18	+ 4	31	+ 4	6	+ 2	0·50	13	− 3	1·7	+0·5	23	1008
Western.																			
6. SCOTLAND, WEST ...	51	24	79·6	74·2	77·0	− 0·4	5	− 6	30	+ 1	6	+ 1	1·74	44	+ 14	1·8	+1·0	26	1002
7. ENGLAND, N.W.	55	24	81·2	75·3	78·3	+ 0·9	13	+ 1	25	− 2	6	+ 2	1·68	43	+ 24	1·5	+0·6	20	1006
8. ENGLAND, S.W.	55	25	82·3	76·1	79·3	+ 0·8	28	+ 11	13	− 6	6	+ 1	1·44	37	+ 10	1·6	+0·5	21	1009
9. IRELAND, NORTH ...	55	31	81·6	75·7	78·8	+ 0·9	24	+ 10	14	− 7	6	+ 1	1·63	41	+ 19	1·1	+0·1	15	1003
10. IRELAND, SOUTH ...	56	28	82·6	76·4	79·6	+ 0·6	29	+ 8	11	− 6	5	0	0·89	23	− 5	1·6	+0·3	21	1009
11. ENGLISH CHANNEL ...	55	36	83·4	78·7	81·2	+ 0·8	33	+ 4	0	− 6	7	+ 2	1·21	31	+ 8	1·8	+0·1	23	1013

THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, December 1st to December 28th, 1918.

0. SCOTLAND, NORTH ...	59	22	80·4	75·7	78·1	+ 1·2	65	+ 30	84	− 34	22	0	5·27	134	− 6	0·8	+0·2	13	1001
Eastern.																			
1. SCOTLAND, EAST ...	59	17	80·1	74·8	77·6	+ 1·3	66	+ 35	110	− 39	18	+ 1	2·06	52	− 19	1·3	+0·3	20	1003
2. ENGLAND, N.E.	60	25	81·7	76·5	79·2	+ 2·1	91	+ 53	65	− 52	19	+ 3	2·47	62	+ 10	1·2	0·0	16	1007
3. ENGLAND, EAST ...	59	27	82·6	77·1	79·9	+ 2·7	108	+ 63	56	− 67	23	+ 6	2·68	69	+ 17	1·1	−0·2	14	1011
4. MIDLAND COUNTIES ...	59	25	82·7	77·1	80·0	+ 3·0	115	+ 67	58	− 75	23	+ 6	3·03	78	+ 16	1·0	−0·1	14	1010
5. ENGLAND, S.E.	59	22	83·3	78·4	80·9	+ 2·7	147	+ 78	37	− 52	23	+ 7	2·28	58	− 14	1·2	−0·2	15	1012
Western.																			
6. SCOTLAND, WEST ...	57	24	81·3	77·0	79·3	+ 1·6	89	+ 39	60	− 32	25	+ 6	5·79	147	+ 18	1·0	+0·1	14	1006
7. ENGLAND, N.W.	58	24	82·5	77·8	80·3	+ 2·4	117	+ 64	45	− 47	22	+ 4	5·26	134	+ 49	0·9	−0·1	12	1008
8. ENGLAND, S.W.	59	25	83·5	78·9	81·3	+ 2·3	164	+ 81	17	− 45	24	+ 5	5·60	143	+ 27	1·2	−0·2	16	1012
9. IRELAND, NORTH ...	60	30	82·8	77·8	80·4	+ 2·2	131	+ 73	38	− 44	24	+ 3	4·54	114	+ 21	1·4	+0·2	20	1004
10. IRELAND, SOUTH ...	60	27	83·8	78·5	81·2	+ 2·0	168	+ 77	23	− 39	23	+ 3	5·56	141	+ 33	1·6	+0·1	21	1008
11. ENGLISH CHANNEL ...	57	36	84·4	81·1	82·9	+ 2·0	216	+ 81	0	− 17	24	+ 3	3·94	101	+ 2	1·4	−0·4	18	1015

THE YEAR 1918.—Aggregates, &c., for the Period of 52 Weeks, December 30th, 1917, to December 28th, 1918.

0. SCOTLAND, NORTH ...	77	5	83·6	77·7	80·5	− 0·1	2003	−105	700	− 75	245	− 1	55·36	1402	+101	3·0	−0·1	25	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	−3	84·3	77·0	80·5	− 0·2	2194	−131	902	− 15	211	+ 4	30·33	768	− 21	3·5	−0·1	29	1011
2. ENGLAND, N.E.	84	9	85·5	78·7	82·0	+ 0·4	2817	+130	551	−123	187	− 1	24·40	619	− 12	3·9	−0·1	32	1014
3. ENGLAND, EAST ...	92	14	86·3	78·8	82·4	+ 0·2	3107	+ 18	548	−158	186	+ 2	26·48	675	+ 70	4·3	0·0	36	1015
4. MIDLAND COUNTIES ...	89	12	86·5	78·5	82·4	+ 0·5	3098	+116	583	−189	189	+ 6	28·73	731	+ 53	3·8	0·0	31	1015
5. ENGLAND, S.E.	90	15	86·8	79·4	83·0	+ 0·2	3369	+ 35	455	− 77	184	+ 5	29·42	747	+ 47	4·5	0·0	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	5	85·1	78·5	81·7	+ 0·1	2603	+ 12	524	− 73	233	+15	51·09	1299	+ 99	3·6	−0·1	30	1013
7. ENGLAND, N.W.	84	12	85·7	79·4	82·4	+ 0·4	2947	+118	405	−133	204	+ 3	38·99	998	+ 96	4·0	+0·1	33	1014
8. ENGLAND, S.W.	82	16	86·3	79·8	83·0	+ 0·3	3227	+ 46	320	− 94	205	+ 3	40·45	1033	+ 38	4·5	+0·2	37	1016
9. IRELAND, NORTH ...	80	18	85·5	79·1	82·2	+ 0·3	2780	+ 71	372	−121	239	0	39·09	988	+ 17	3·6	+0·1	30	1012
10. IRELAND, SOUTH ...	84	19	86·5	79·8	83·0	+ 0·2	3274	+114	283	− 98	227	+13	44·02	1118	+ 99	4·0	0·0	33	1015
11. ENGLISH CHANNEL ...	85	26	87·0	81·7	84·3	+ 0·1	3869	+ 56	97	− 30	203	− 8	30·61	780	− 59	5·4	+0·3	45	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: COL. H. G. LYONS, R.E., F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: January 3rd, 1919.

EXAMINED BY
AUTHORITY F.
ISSUED ON
17.5.18

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FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1918. FIRST QUARTER (JANUARY, FEBRUARY, MARCH).

Forty-first Year.
Vol. XXXV. [*New Series.*] } Appendix I. 1st Quarter.

MILD AND DRY AFTER THE MIDDLE OF JANUARY.

[*Price* 4*d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-EIGHT YEARS, 1881–1918.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881–1915.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
Lustra.* 1881-1885 ..	65	*361*	*96*	49	*211*	*114*	45	130	100	44	*124*	*97*	45	163	109	43	163	101	45	157	104	58	*335*	*109*	51	224	108	53	246	100	61	239	101	57	302	115	56	269	107	57	208	101	51	213	105
1886-1890 ..	66	*368*	*98*	52	168	91	47	130	100	47	*114*	*89*	43	132	89	44	137	85	47	137	91	53	274	89	50	175	85	49	211	86	56	213	90	50	241	92	52	224	89	57	180	87	49	180	89
1891-1895 ..	64	353	94	48	173	94	49	130	100	48	*112*	*88*	45	124	83	43	135	83	47	125	89	53	267	86	47	170	82	47	206	84	55	198	84	49	216	82	50	211	84	52	180	87	49	173	86
1896-1900 ..	67	371	99	53	170	92	49	137	105	49	*137*	*107*	46	155	104	44	165	102	48	152	101	58	*292*	*95*	53	211	102	54	264	108	61	221	94	53	251	95	56	249	99	58	211	102	52	201	100
1901-1905 ..	69	*419*	*112*	55	193	104	47	117	90	48	*117*	*91*	48	157	105	48	168	104	49	150	99	61	*348*	*113*	56	213	103	54	254	104	67	262	111	60	290	110	60	274	108	61	221	107	51	213	105
1906-1910 ..	69	384	102	52	188	102	47	124	95	49	*127*	*99*	46	135	91	48	155	96	48	145	96	56	323	105	55	226	109	54	234	96	66	267	113	63	244	93	59	259	103	56	196	95	54	203	100
1911-1915 ..	65	368	98	57	198	107	55	144	111	55	162	127	50	177	119	51	209	129	54	178	118	58	323	105	54	229	111	59	299	122	60	246	104	65	296	113	59	278	110	59	247	120	57	228	113
35 years normal ..	**67**	**375**	—	**53**	**185**	—	**48**	**130**	—	**48**	**128**	—	**47**	**149**	—	**46**	**162**	—	**48**	**151**	—	**56**	**309**	—	**52**	**207**	—	**53**	**245**	—	**61**	**236**	—	**56**	**263**	—	**56**	**252**	—	**57**	**206**	—	**52**	**202**	—
1913	66	384	102	59	216	117	55	160	123	52	140	110	53	208	139	50	191	118	55	183	121	59	338	109	58	254	123	62	328	134	64	277	117	67	348	132	61	310	123	58	244	118	58	246	122
1914	68	411	110	57	224	121	54	119	92	52	170	133	51	150	101	53	239	148	53	180	119	65	368	119	58	241	116	60	325	133	68	305	129	72	351	133	65	318	126	63	274	133	59	249	123
1915	67	374	100	55	206	111	60	174	134	61	190	148	49	194	130	50	241	149	55	201	133	56	319	103	51	244	118	55	305	124	60	229	97	58	275	105	56	274	109	56	264	128	56	238	118
1916	73	471	126	63	253	137	57	180	138	59	211	165	58	235	158	60	249	154	59	226	150	62	274	89	61	234	113	65	309	126	63	215	91	71	246	94	65	256	101	70	299	145	62	241	119
1917	58	237	63	50	133	72	50	142	109	50	123	96	44	128	86	43	122	75	48	130	86	44	166	54	42	153	74	41	165	67	54	161	68	51	181	69	46	165	66	49	178	86	47	148	73
1918	66	373	99	53	172	93	46	114	88	42	109	85	42	133	89	40	142	88	45	134	89	59	328	106	47	192	93	47	229	94	58	233	99	61	291	111	54	255	101	49	135	66	50	195	96

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period January 1st to March 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 Years, 1881-1915.

YEARS.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
		Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881-1885	..	276·4	− 0·2	276·3	0·0	277·1	0·0	277·3	+ 0·2	277·4	+ 0·3	278·2	+ 0·4	277·3	+ 0·2	277·4	0·0	277·7	+ 0·1	278·9	+ 0·6	278·2	+ 0·1	279·2	+ 0·3	278·3	+ 0·2	280·2	+ 0·2	277·8	+ 0·2
1886-1890	..	276·4	− 0·2	276·2	− 0·1	276·5	− 0·6	276·0	− 1·1	276·2	− 0·9	276·8	− 1·0	276·3	− 0·8	277·0	− 0·4	276·8	− 0·8	277·6	− 0·7	277·7	− 0·4	278·4	− 0·5	277·5	− 0·6	279·2	− 0·8	276·9	− 0·7
1891-1895	..	276·0	− 0·6	275·7	− 0·6	276·3	− 0·8	276·1	− 1·0	276·2	− 0·9	276·9	− 0·9	276·2	− 0·9	276·7	− 0·7	276·9	− 0·7	277·7	− 0·6	277·5	− 0·6	278·4	− 0·5	277·4	− 0·7	279·4	− 0·6	276·8	− 0·8
1896-1900	..	276·7	+ 0·1	276·6	+ 0·3	277·4	+ 0·3	277·5	+ 0·4	277·5	+ 0·4	278·4	+ 0·6	277·5	+ 0·4	277·7	+ 0·3	278·1	+ 0·5	278·9	+ 0·6	278·3	+ 0·2	279·3	+ 0·4	278·4	+ 0·3	280·7	+ 0·7	278·0	+ 0·8
1901-1905	..	276·8	+ 0·2	276·5	+ 0·2	277·4	+ 0·3	277·5	+ 0·4	277·4	+ 0·3	278·1	+ 0·3	277·4	+ 0·3	277·7	+ 0·3	277·8	+ 0·2	278·7	+ 0·4	278·1	0·0	279·1	+ 0·2	278·2	+ 0·1	280·3	+ 0·3	277·8	+ 0·2
1906-1910	..	276·5	− 0·1	276·2	− 0·1	276·9	− 0·2	277·0	− 0·1	276·9	− 0·2	277·4	− 0·4	276·9	− 0·2	277·4	0·0	277·3	− 0·3	277·9	− 0·4	278·2	+ 0·1	278·9	0·0	277·9	− 0·2	279·9	− 0·1	277·4	− 0·2
1911-1915	..	277·2	+ 0·6	276·7	+ 0·4	277·7	+ 0·6	278·1	+ 1·0	277·7	+ 0·6	278·5	+ 0·7	277·7	+ 0·6	277·7	+ 0·3	278·2	+ 0·6	278·7	+ 0·4	278·3	+ 0·2	279·1	+ 0·2	278·4	+ 0·3	280·3	+ 0·3	278·1	+ 0·5
35 years normal	..	**276·6**	—	**276·3**	—	**277·1**	—	**277·1**	—	**277·1**	—	**277·8**	—	**277·1**	—	**277·4**	—	**277·6**	—	**278·3**	—	**278·1**	—	**278·9**	—	**278·1**	—	**280·0**	—	**277·6**	—
1913	..	277·2	+ 0·6	276·5	+ 0·2	277·4	+ 0·3	278·4	+ 1·3	277·8	+ 0·7	278·9	+ 1·1	277·8	+ 0·7	277·7	+ 0·3	278·1	+ 0·5	279·0	+ 0·7	278·4	+ 0·3	279·0	+ 0·1	278·4	+ 0·3	280·8	+ 0·8	278·2	+ 0·6
1914	..	277·4	+ 0·8	276·9	+ 0·6	278·3	+ 1·2	278·4	+ 1·3	278·3	+ 1·2	278·6	+ 0·8	278·1	+ 1·0	278·1	+ 0·7	278·7	+ 1·1	279·0	+ 0·7	278·6	+ 0·5	279·4	+ 0·5	278·8	+ 0·7	280·3	+ 0·3	278·4	+ 0·8
1915	..	276·6	0·0	276·1	− 0·2	277·2	+ 0·1	277·4	+ 0·3	277·2	+ 0·1	277·9	+ 0·1	277·2	+ 0·1	277·1	− 0·3	277·6	0·0	278·1	− 0·2	277·5	− 0·6	278·2	− 0·7	277·7	− 0·4	279·7	− 0·3	277·4	− 0·2
1916	..	276·8	+ 0·2	276·3	0·0	277·5	+ 0·4	277·9	+ 0·8	277·6	+ 0·5	278·5	+ 0·7	277·6	+ 0·5	277·5	+ 0·1	278·2	+ 0·6	278·6	+ 0·3	278·1	0·0	278·9	0·0	278·2	+ 0·1	280·1	+ 0·1	277·9	+ 0·3
1917	..	275·6	− 1·0	274·7	− 1·6	275·0	− 2·1	274·9	− 2·2	274·7	− 2·4	275·4	− 2·4	275·0	− 2·1	275·7	− 1·7	275·4	− 2·2	275·9	− 2·4	276·5	− 1·6	276·9	− 2·0	276·1	− 2·0	277·7	− 2·3	275·5	− 2·1
1918	..	277·2	+ 0·6	276·8	+ 0·5	277·9	+ 0·8	278·0	+ 0·9	278·3	+ 1·2	278·6	+ 0·8	277·9	+ 0·8	278·0	+ 0·6	278·7	+ 1·1	279·3	+ 1·0	279·0	+ 0·9	279·9	+ 1·0	279·0	+ 0·9	280·4	+ 0·4	278·5	+ 0·9

The estimates of mean temperature are made from the observed maximum and minimum readings by the rules as detailed in the Guide to the Weekly Weather Report.

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881-1915.

YEARS.		0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
		Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal	Th. hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885	..	·17	1·9	% 97	·24	2·6	% 105	·22	2·4	% 91	·25	2·7	% 98	·22	2·4	% 98	·25	2·7	% 98	·24	2·6	% 100	·19	2·1	% 93	·19	2·1	% 87	·24	2·6	% 94	·22	2·4	% 102	·25	2·7	% 100	·22	2·4	% 96	·32	3·5	% 104	·23	2·5	% 98
1886-1890	..	·16	1·8	92	·21	2·3	93	·23	2·5	95	·23	2·5	91	·20	2·2	90	20	2·2	80	·21	2·3	88	·20	2·2	97	·21	2·3	95	·24	2·6	94	·20	2·2	93	·25	2·7	100	·22	2·4	96	·30	3·3	98	·22	2·4	94
1891-1895	..	·21	2·3	117	·26	2·9	117	·29	3·2	122	·29	3·2	116	·27	3·0	123	·30	3·3	120	·28	3·1	119	·24	2·6	114	·24	2·6	107	·30	3·3	119	·24	2·6	110	·27	3·0	111	·26	2·9	115	·36	3·9	116	·27	3·0	117
1896-1900	..	·18	2·0	102	·22	2·4	97	·23	2·5	95	·25	2·7	98	·22	2·4	98	·24	2·6	94	·23	2·5	96	·20	2·2	97	·22	2·4	99	·24	2·6	94	·22	2·4	102	·25	2·7	100	·23	2·5	100	·28	3·1	93	·23	2·5	98
1901-1905	..	·18	1·8	92	·19	2·1	85	·22	2·4	91	·25	2·7	98	·19	2·1	86	·24	2·6	94	·22	2·4	92	·19	2·1	93	·21	2·3	95	·23	2·5	90	·20	2·2	93	·22	2·4	89	·21	2·3	92	·27	3·0	90	·22	2·4	94
1906-1910	..	·19	2·1	107	·25	2·7	109	·28	3·1	118	·28	3·1	112	·26	2·9	119	·30	3·3	120	·27	3·0	115	·22	2·4	106	·26	2·9	120	·29	3·2	115	·22	2·4	102	·24	2·6	96	·25	2·7	107	·33	3·6	107	·26	2·9	113
1911-1915	..	·17	1·9	97	·20	2·3	93	·21	2 3	87	·22	2·5	91	·19	2·1	86	·23	2·5	91	·21	2·3	88	·19	2·1	93	·21	2·4	98	·22	2·4	86	·20	2·3	97	·23	2·6	96	·21	2·3	92	·26	2·9	87	·21	2·3	90
35 years normal	..	**·18**	**2·0**	—	**·23**	**2·5**	—	**·24**	**2 6**	—	**·25**	**2·8**	—	**·22**	**2·4**	—	**·25**	**2·8**	—	**·24**	**2·6**	—	**·21**	**2·3**	—	**·22**	**2·4**	—	**·25**	**2·8**	—	**·22**	**2·4**	—	**·24**	**2·7**	—	**23**	**2·5**	—	**·31**	**3·4**	—	**·23**	**2·6**	—
1913	..	·15	1 6	81	·19	2·1	82	·20	2·2	81	·22	2 5	89	·18	2·0	83	·23	2·6	93	·23	2·3	83	·17	1·8	80	·20	2·2	90	·22	2·4	86	·19	2·1	87	·20	2·2	82	·20	2·1	85	·27	3·0	87	·20	2·2	85
1914	..	·17	1·9	98	·21	2·3	91	·21	2·3	87	25	2·7	96	·18	2·0	83	·25	2·7	96	·22	2·4	90	·16	1·8	78	·19	2·1	86	·20	2·2	79	·17	1·9	78	·21	2·3	84	·19	2·1	81	·26	2·8	81	·20	2·2	86
1915	..	·15	1·7	89	·20	2·2	88	·22	2·5	91	·24	2·7	96	·22	2·4	100	·23	2·6	93	·22	2·5	92	·24	2·7	117	24	2·6	107	·24	2·8	100	·22	2·4	101	·27	3·0	109	·24	2·7	106	·27	3·0	89	·23	2·6	99
1916	..	·17	1·9	94	·20	2·2	89	·20	2·2	83	·18	2·0	73	·16	1·8	74	·20	2·2	79	·19	2·1	80	·19	2·1	93	·16	1·8	76	·20	2·2	80	·21	2·3	97	·21	2·3	87	·20	2·2	86	·24	2·6	76	·20	2·1	83
1917	..	·16	1·8	89	·22	2·4	95	·17	1·9	74	·15	1·7	63	·14	1·6	64	·20	2·2	79	·18	2·0	75	·20	2·2	97	·19	2·1	88	·25	2·8	101	·21	2·3	97	·23	2·6	96	·22	2·4	96	·26	2·9	85	·20	2·2	86
1918	..	·14	1·6	81	·18	2·0	80	·22	2·4	91	·27	3·0	110	·21	2·3	95	·29	3·2	116	·23	2·6	99	·16	1·8	79	·21	2·3	94	·24	2·7	99	·19	2·1	90	·23	2·5	91	·21	2·3	91	·33	3·7	109	·22	2·4	95

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
May, 1918.

NAPIER SHAW,
Director.

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AUTHORITY FOR ISSUE 1750
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WEEKLY WEATHER REPORT, 1918. SECOND QUARTER (APRIL, MAY, JUNE).

Forty-first Year.
Vol. XXXV. [*New Series.*] { APPENDIX I. 2nd Quarter.

APRIL AND JUNE COOL, MAY COMPARATIVELY HOT; WIDESPREAD DROUGHT IN JUNE. [*Price 4d.*

(18668—19.) Wt. 199—789. 450. 8/18. D & S. G. 17/37.

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-EIGHT YEARS, 1881–1918.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS. 1881–1915.

YEARS.	0. Scot-land, N.			Eastern Districts.													Western Districts.														11. English Channel.			Districts 1-10 com-bined.		
				1. Scot-land, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			6. Scot-land, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.								
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
LUSTRA.* 1881-1885 ..	51	*216*	*98*	44	*163*	*102*	43	147	107	39	150	110	41	165	109	38	142	104	41	152	106	47	*213*	*99*	42	178	104	44	183	104	52	183	95	46	196	101	46	191	101	45	142	101	44	173	103
1886-1890 ..	54	*196*	*89*	43	152	96	40	122	89	41	130	96	41	163	108	40	145	106	41	142	99	45	224	104	41	165	97	42	165	94	46	180	94	46	191	98	44	185	97	46	150	106	43	165	99
1891-1895 ..	48	180	82	42	140	88	40	132	96	36	122	90	35	130	86	32	97	71	37	124	87	42	170	79	40	152	89	35	135	77	47	168	88	41	180	92	41	160	84	36	119	84	39	142	85
1896-1900 ..	54	226	103	48	175	110	42	137	99	40	137	101	40	147	97	37	127	93	42	145	101	50	*239*	*111*	45	185	108	41	185	105	55	231	120	47	216	111	48	211	111	42	142	101	45	178	107
1901-1905 ..	54	231	105	48	150	94	40	127	92	39	145	107	40	145	96	39	155	114	41	145	101	46	*218*	*101*	44	150	88	41	185	105	53	180	94	46	183	94	46	183	96	45	157	111	44	163	98
1906-1910 ..	59	246	112	52	183	115	47	155	112	43	157	115	46	170	113	43	163	120	46	165	115	51	246	114	50	201	118	48	203	115	58	221	115	56	211	108	53	218	115	41	142	101	50	191	114
1911-1915 ..	52	242	110	43	147	92	36	143	104	34	111	82	35	135	89	31	120	88	36	131	92	46	205	95	41	165	97	39	177	101	47	179	93	48	188	96	44	183	96	39	132	94	40	157	94
35 years normal ..	**53**	**220**	—	**46**	**159**	—	**41**	**138**	—	**39**	**136**	—	**40**	**151**	—	**37**	**136**	—	**41**	**143**	—	**47**	**216**	—	**43**	**171**	—	**41**	**176**	—	**51**	**192**	—	**47**	**195**	—	**46**	**190**	—	**42**	**141**	—	**44**	**167**	—
1913	57	274	125	48	178	112	44	155	112	38	122	90	44	165	109	38	137	101	42	152	106	58	269	124	52	221	129	50	231	131	63	289	140	62	295	151	57	257	135	49	157	111	50	203	121
1914	53	231	105	38	127	80	32	124	90	33	97	71	32	117	77	28	91	67	33	112	78	43	140	65	36	119	70	34	147	84	43	145	76	39	109	50	39	132	69	29	122	87	36	122	73
1915	46	178	81	36	109	69	25	81	59	28	113	83	29	112	74	28	140	103	29	111	78	36	155	72	34	129	75	34	154	88	40	134	70	43	140	72	37	142	75	37	114	81	33	127	76
1916	61	265	121	52	255	160	45	153	111	44	148	109	43	137	91	40	133	98	45	166	116	53	266	123	46	205	120	45	179	102	60	270	141	59	257	132	52	236	124	39	90	64	49	201	120
1917	57	200	91	39	164	103	38	120	87	34	122	90	37	163	108	33	171	126	36	148	103	46	221	102	40	177	104	40	192	109	51	205	107	45	165	85	44	192	101	39	148	105	40	170	102
1918	46	161	73	40	112	70	37	113	82	37	142	104	36	135	89	36	131	96	37	126	88	39	149	69	35	141	82	34	124	70	44	129	67	40	142	73	38	137	72	32	106	75	38	132	80

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months April, May, June, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period April 1st to June 30th.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 years, 1881-1915.

YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881-1885 ..	281·7	0·0	282·1	− 0·1	282·8	− 0·1	283·8	+ 0·1	283·7	0·0	284·4	0·0	283·3	− 0·1	282·7	− 0·3	283·2	− 0·2	283·6	− 0·4	283·1	− 0·1	283·6	− 0·4	283·3	− 0·2	284·3	− 0·4	283·3	− 0·2
1886-1890 ..	281·7	0·0	282·2	0·0	282·5	− 0·4	283·6	− 0·1	283·5	− 0·2	284·2	− 0·2	283·2	− 0·2	282·8	− 0·2	283·2	− 0·2	283·8	− 0·2	283·2	0·0	283·9	− 0·1	283·4	− 0·1	284·4	− 0·3	283·3	− 0·2
1891-1895 ..	282·0	+ 0·3	282·4	+ 0·2	282·8	− 0·1	283·8	+ 0·1	284·0	+ 0·3	284·8	+ 0·4	283·6	+ 0·2	283·3	+ 0·3	283·8	+ 0·4	284·4	+ 0·4	283·7	+ 0·5	284·4	+ 0·4	283·9	+ 0·4	285·2	+ 0·5	283·8	+ 0·3
1896-1900	281·9	+ 0·2	282·4	+ 0·2	282·9	0·0	283·8	+ 0·1	283·8	+ 0·1	284·6	+ 0·2	283·5	+ 0·1	283·2	+ 0·2	283·8	+ 0·4	284·3	+ 0·3	283·5	+ 0·3	284·4	+ 0·4	283·8	+ 0·3	285·0	+ 0·3	283·7	+ 0·2
1901-1905 ..	281·6	− 0·1	281·9	− 0·3	282·8	− 0·1	283·6	− 0·1	283·3	− 0·4	284·0	− 0·4	283·1	− 0·3	282·8	− 0·2	283·3	− 0·1	283·8	− 0·2	282·9	− 0·3	283·8	− 0·2	283·3	− 0·2	284·7	0·0	283·2	− 0·3
1906-1910 ..	281·3	− 0·4	281·7	− 0·5	282·9	0·0	283·7	0·0	283·4	− 0·3	283·9	− 0·5	283·2	− 0·2	282·7	− 0·3	283·1	− 0·3	283·5	− 0·5	282·7	− 0·5	283·6	− 0·4	283·1	− 0·4	284·6	− 0·1	283·2	− 0·3
1911-1915 ..	281·9	+ 0·2	282·4	+ 0·2	283·4	+ 0·5	284·4	+ 0·7	284·1	+ 0·4	284·6	+ 0·2	283·8	+ 0·4	283·3	+ 0·3	283·7	+ 0·3	284·3	+ 0·3	283·2	0·0	284·2	+ 0·2	283·7	+ 0·2	285·0	+ 0·3	283·8	+ 0·3
35 years normal ..	**281·7**	—	**282·2**	—	**282·9**	—	**283·7**	—	**283·7**	—	**284·4**	—	**283·4**	—	**283·0**	—	**283·4**	—	**284·0**	—	**283·2**	—	**284·0**	—	**283·5**	—	**284·7**	—	**283·5**	—
1913	281·7	0·0	281·9	− 0·3	283·2	+ 0·3	284·2	+ 0·5	283·7	0·0	284·3	− 0·1	283·4	0·0	282·7	− 0·3	283·3	− 0·1	283·7	− 0·3	282·5	− 0·7	283·2	− 0·8	283·1	− 0·4	284·3	− 0·4	283·3	− 0·2
1914	282·3	+ 0·6	282·9	+ 0·7	283·9	+ 1·0	284·6	+ 0·9	284·5	+ 0·8	285·0	+ 0·6	284·2	+ 0·8	283·6	+ 0·6	283·9	+ 0·5	284·8	+ 0·8	283·5	+ 0·3	284·6	+ 0·6	284·1	+ 0·6	285·4	+ 0·7	284·1	+ 0·6
1915	281·4	− 0·3	281·8	− 0·4	282·9	0·0	283·8	+ 0·1	283·7	0·0	284·3	− 0·1	283·3	− 0·1	283·1	+ 0·1	283·4	0·0	284·1	+ 0·1	283·2	0·0	284·5	+ 0·5	283·7	+ 0·2	284·8	+ 0·1	283·5	0·0
1916	281·2	− 0·5	281·4	− 0·8	282·7	− 0·2	283·6	− 0·1	283·3	− 0·4	284·0	− 0·4	283·0	− 0·4	282·4	− 0·6	283·0	− 0·4	283·4	− 0·6	282·2	− 1·0	283·4	− 0·6	282·9	− 0·6	284·4	− 0·3	283·0	− 0·5
1917	281·2	− 0·5	281·5	− 0·7	282·9	0·0	284·4	+ 0·7	284·1	+ 0·4	284·7	+ 0·3	283·5	+ 0·1	282·6	− 0·4	283·4	0·0	283·9	− 0·1	282·6	− 0·6	283·9	− 0·1	283·3	− 0·2	284·9	+ 0·2	283·4	− 0·1
1918	281·9	+ 0·2	282·1	− 0·1	283·4	+ 0·5	283·7	0·0	284·1	+ 0·4	284·4	0·0	283·5	+ 0·1	283·2	+ 0·2	283·7	+ 0·3	284·1	+ 0·1	283·5	+ 0·3	284·5	+ 0·5	283·8	+ 0·3	285·0	+ 0·3	283·7	+ 0·2

The estimates of mean temperature are made from the observed maximum and minimum readings by the rules detailed in the Guide to the Weekly Weather Report

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881-1915.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	·45	4·9	98	·50	5·5	98	·56	6·1	105	·60	6·6	103	·52	5·8	100	·58	6·4	98	·55	6·1	101	·54	5·9	100	·54	6·0	99	·57	6·2	98	·50	5·5	101	·56	6·1	103	·54	6·0	100	·70	7·7	104	·54	6·0	100
1886-1890 ..	·41	4·5	90	·51	5·6	100	·49	5·4	92	·53	5·9	92	·48	5·2	91	·53	5·8	90	·51	5·5	93	·53	5·9	99	·50	5·5	92	·55	6·0	95	·49	5·4	98	·54	5·9	100	·52	5·7	97	·64	7·0	95	·52	5·7	95
1891-1895 ..	·51	5·6	113	·55	6·0	108	·57	6·3	107	·59	6·4	100	·56	6·2	108	·64	7·0	108	·58	6·4	106	·56	6·1	104	·55	6·1	101	·63	6·9	108	·52	5·7	104	·56	6·1	103	·56	6·2	114	·75	8·3	112	·57	6·3	106
1896-1900 ..	·47	5·2	104	·50	5·5	98	·51	5·6	96	·57	6·2	97	·53	5·8	101	·59	6·5	100	·51	5·9	99	·53	5·9	99	·57	6·3	104	·60	6·6	103	·49	5·4	98	·54	5·9	99	·55	6·0	101	·69	7·5	101	·54	6·0	100
1901-1905 ..	·48	5·3	105	·51	5·6	100	·56	6·2	105	·59	6·5	101	·52	5·7	99	·59	6·4	100	·55	6·1	101	·55	6·1	102	·59	6·4	107	·56	6·2	97	·52	5·7	104	·54	5·9	100	·55	6·1	102	·68	7·2	97	·55	6·1	101
1906-1910 ..	·45	4·9	98	·49	5·4	96	·50	5·5	94	·59	6·4	100	·51	5·6	97	·61	6·7	103	·54	5·9	98	·52	5·7	96	·53	5·8	96	·57	6·2	98	·47	5·2	95	·51	5·6	95	·52	5·7	96	·65	7·1	96	·53	5·8	97
1911-1915 ..	·44	4·9	97	·50	5·6	100	·53	5·9	101	·61	6·8	103	·53	5·9	103	·63	7·0	107	·57	6·3	103	·52	5·8	98	·56	6·2	102	·57	6·3	97	·49	5·4	98	·52	5·8	97	·53	5·9	99	·63	7·0	95	·55	6·1	101
35 years normal ..	**·46**	**5·0**	—	**·51**	**5·6**	—	**·53**	**5·9**	—	**·58**	**6·4**	—	**·52**	**5·7**	—	**·60**	**6·5**	—	**·55**	**6·0**	—	**·54**	**5·9**	—	**·55**	**6·0**	—	**·58**	**6·4**	—	**·50**	**5·5**	—	**·54**	**5·9**	—	**54**	**5·9**	—	**·67**	**7·4**	—	**·54**	**6·0**	—
1913	·39	4·3	85	·46	5·0	89	·47	5·1	87	·52	5·8	91	·46	5·0	87	·54	6·0	92	·49	5·4	90	·41	4·5	76	·43	5·3	87	·48	5·3	82	·41	4·5	83	·46	5·0	84	·44	4·8	81	·53	5·8	78	·46	5·1	85
1914	·42	4·7	93	·57	6·2	111	·62	6·8	115	·69	7·5	117	·62	6·8	118	·71	7·9	121	·64	7·1	118	·54	6·0	101	·59	6·5	107	·65	7·2	111	·50	5·5	101	·59	6·5	110	·57	6·3	106	·68	7·5	101	·61	6·7	112
1915	·52	5·8	115	·57	6·3	112	·60	6·6	112	·63	6·9	107	·58	6·3	110	·61	6·7	103	·60	6·6	109	·61	6·7	113	·64	7·0	116	·55	6·0	93	·54	6·0	110	·50	5·5	93	·57	6·2	105	·56	6·1	82	·59	6·4	107
1916	·35	3·9	77	·40	4·4	79	·43	4·8	82	·51	5·7	89	·45	5·0	87	·57	6·3	96	·47	5·2	87	·52	5·8	98	·49	5·5	91	·55	6·1	95	·45	5·0	92	·53	5·9	96	·51	5·7	96	·64	7·1	96	·49	5·5	92
1917	·45	4·9	98	·50	5·4	97	·52	5·9	100	·61	6·7	105	·52	5·7	99	·62	6·8	104	·56	6·1	101	·49	5·4	91	·54	5·9	98	·61	6·7	104	·44	4·8	88	·51	5·6	94	·52	5·7	96	·72	7·9	107	·54	5·9	98
1918	·45	5·0	100	·49	5·6	100	·52	5·8	98	·57	6·3	98	·50	5·6	98	·58	6·5	99	·53	5·9	98	·58	6·4	108	·59	6·5	107	·64	7·1	110	·53	5·9	108	·58	6·5	110	·58	6·5	109	·72	8·0	108	·56	6·2	104

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
August, 1918.

Col. H. G. Lyons, R.E., F.R.S.,
Director.

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WEEKLY WEATHER REPORT, 1918. THIRD QUARTER (JULY, AUGUST, SEPTEMBER).

Forty-first Year.
VOL. XXXV. [*New Series.*] { APPENDIX I. 3rd Quarter.

SEPTEMBER, AN EXCEPTIONALLY WET MONTH GIVES ITS CHARACTER TO THE QUARTER. [*Price* 4*d.*

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SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE OF THE THIRD QUARTER FOR THE THIRTY-EIGHT YEARS, 1881–1918.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881–1915.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
LUSTRA.* 1881-1885 ..	56	*259*	*89*	51	*236*	*113*	46	185	108	45	*178*	*111*	45	191	110	44	168	101	46	191	109	53	*312*	*107*	49	249	106	52	254	111	60	262	105	53	259	106	53	267	107	54	193	107	50	229	107
1886-1890 ..	60	*292*	*100*	51	193	93	46	193	113	45	*175*	*109*	43	173	99	40	175	105	45	183	104	51	277	95	47	236	100	46	231	101	58	282	105	50	231	94	50	246	98	46	180	100	48	216	101
1891-1895 ..	65	361	123	53	236	113	47	185	108	45	*183*	*114*	45	178	102	45	206	124	47	198	113	52	312	107	50	272	115	49	264	115	60	264	106	51	264	108	52	274	110	48	226	124	50	236	110
1896-1900 ..	58	325	111	50	206	99	39	157	92	35	*137*	*85*	36	157	90	33	142	86	39	160	91	55	*310*	*107*	46	239	101	42	206	90	56	254	102	48	257	105	49	254	102	42	160	88	44	208	97
1901-1905 ..	63	305	104	53	203	98	42	168	98	36	*160*	*95*	40	191	110	39	178	107	42	180	102	51	*330*	*113*	49	213	90	46	231	101	61	274	110	52	259	106	52	262	105	49	188	103	47	221	103
1906-1910 ..	59	267	91	49	203	98	45	147	86	40	135	84	41	160	92	37	142	86	42	157	89	49	290	100	48	226	96	43	203	89	54	229	92	52	208	85	49	231	92	38	127	70	45	196	92
1911-1915 ..	52	234	80	43	180	87	40	164	96	38	157	98	37	168	97	34	149	90	38	164	95	44	205	70	41	214	91	40	216	94	50	205	82	51	238	97	45	215	86	38	189	105	42	190	89
35 years normal ..	**59**	**292**	—	**50**	**208**	—	**43**	**171**	—	**41**	**161**	—	**41**	**174**	—	**39**	**166**	—	**43**	**176**	—	**51**	**291**	—	**47**	**236**	—	**45**	**229**	—	**57**	**250**	—	**51**	**245**	—	**50**	**250**	—	**45**	**180**	—	**47**	**214**	—
1913	42	132	45	36	117	56	34	104	61	36	119	74	31	114	66	34	142	86	34	119	68	33	145	50	34	157	67	32	137	60	43	155	62	41	157	64	37	150	60	33	114	63	36	135	63
1914	55	254	87	42	175	84	36	157	92	36	109	68	40	168	97	35	140	84	38	150	83	44	239	82	42	211	102	46	272	119	52	211	84	57	287	117	48	249	100	46	226	125	43	201	93
1915	60	238	82	53	275	132	45	208	122	42	206	128	41	212	122	35	199	120	43	220	126	48	195	67	41	206	87	45	221	96	62	235	94	61	271	111	51	226	90	35	184	102	47	223	104
1916	52	182	63	48	238	114	40	169	99	40	141	88	37	146	84	33	146	88	40	168	96	46	233	80	39	182	77	32	215	94	49	179	72	47	185	76	43	199	80	34	177	98	42	184	86
1917	59	342	117	50	223	107	45	197	115	41	228	142	46	225	129	45	262	158	46	227	129	51	282	97	47	262	111	49	296	129	61	278	111	62	322	132	55	288	116	47	208	115	51	257	122
1918	69	417	143	59	296	142	54	249	146	51	256	159	55	298	171	49	307	185	54	281	161	63	366	126	61	375	159	58	385	168	66	299	120	66	336	137	63	352	141	54	262	146	59	317	148

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months July, August, September, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period July 1st to September 30th.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 years, 1881-1915.

Years.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881-1885 ..	285·1	0·0	285·7	0·0	286·8	− 0·2	287·7	− 0·3	287·3	− 0·2	288·3	− 0·2	287·2	− 0·1	286·1	− 0·1	286·8	− 0·3	287·3	− 0·4	286·2	− 0·2	286·8	− 0·4	286·6	− 0·3	288·3	− 0·6	286·9	− 0·2
1886-1890 ..	284·6	− 0·5	285·5	− 0·2	286·5	− 0·5	287·6	− 0·4	287·1	− 0·4	288·1	− 0·4	286·9	− 0·4	285·8	− 0·4	286·7	− 0·4	287·3	− 0·4	286·2	− 0·2	286·8	− 0·2	286·8	− 0·3	288·4	− 0·5	286·8	− 0·3
1891-1895 ..	285·1	0·0	285·8	+ 0·1	286·8	− 0·2	287·8	− 0·2	287·3	− 0·2	288·4	− 0·1	287·2	− 0·1	286·2	0·0	287·2	+ 0·1	287·6	− 0·1	286·4	0·0	287·1	− 0·1	286·9	0·0	289·0	+ 0·1	287·1	0·0
1896-1900 ..	285·5	+ 0·4	286·2	+ 0·5	287·4	+ 0·4	288·6	+ 0·6	288·1	+ 0·6	289·3	+ 0·8	287·9	+ 0·6	286·6	+ 0·4	287·7	+ 0·6	288·5	+ 0·8	286·9	+ 0·5	287·9	+ 0·7	287·5	+ 0·6	289·9	+ 1·0	287·7	+ 0·6
1901-1905 ..	285·1	0·0	285·7	0·0	287·2	+ 0·2	288·3	+ 0·3	287·4	− 0·1	288·5	0·0	287·4	+ 0·1	286·2	0·0	287·2	+ 0·1	287·9	+ 0·2	286·3	− 0·1	287·3	+ 0·1	287·0	+ 0·1	289·1	+ 0·2	287·2	+ 0·1
1906-1910 ..	284·9	− 0·2	285·4	− 0·3	286·9	− 0·1	287·8	− 0·2	287·3	− 0·2	288·1	− 0·4	287·1	− 0·2	286·2	0·0	286·8	− 0·3	287·5	− 0·2	286·3	− 0·1	287·2	0·0	286·8	− 0·1	288·8	− 0·1	287·0	− 0·1
1911-1915 ..	285·3	+ 0·2	285·7	0·0	287·2	+ 0·2	288·3	+ 0·3	287·7	+ 0·2	288·5	0·0	287·5	+ 0·2	286·4	+ 0·2	287·3	+ 0·2	287·9	+ 0·2	286·4	0·0	287·4	+ 0·2	287·1	+ 0·2	289·0	+ 0·1	287·3	+ 0·2
35 years normal ..	**285·1**	—	**285·7**	—	**287·0**	—	**288·0**	—	**287·5**	—	**288·5**	—	**287·3**	—	**286·2**	—	**287·1**	—	**287·7**	—	**286·4**	—	**287·2**	—	**286·9**	—	**288·9**	—	**287·1**	—
1913	285·3	+ 0·2	285·8	+ 0·1	286·8	− 0·2	287·6	− 0·4	287·6	+ 0·1	288·2	− 0·3	287·2	− 0·1	286·3	+ 0·1	287·2	+ 0·1	288·1	+ 0·4	286·3	− 0·1	287·5	+ 0·3	287·1	+ 0·2	288·8	− 0·1	287·2	+ 0·1
1914	285·7	+ 0·6	286·0	+ 0·3	287·7	+ 0·7	288·7	+ 0·7	287·9	+ 0·4	288·8	+ 0·3	287·8	+ 0·5	286·8	+ 0·6	287·7	+ 0·6	288·0	+ 0·3	286·9	+ 0·5	287·8	+ 0·6	287·4	+ 0·5	289·2	+ 0·3	287·7	+ 0·6
1915	285·3	+ 0·2	285·7	0·0	287·0	0·0	287·9	− 0·1	287·1	− 0·4	288·0	− 0·5	287·2	− 0·1	286·3	+ 0·1	287·0	− 0·1	287·4	− 0·3	286·4	0·0	287·3	+ 0·1	286·9	0·0	288·6	− 0·3	287·0	− 0·1
1916	285·3	+ 0·2	285·8	+ 0·1	287·1	+ 0·1	287·7	− 0·3	287·7	+ 0·2	288·3	− 0·2	287·3	0·0	287·0	+ 0·8	287·5	+ 0·4	288·2	+ 0·5	287·1	+ 0·7	288·3	+ 1·1	287·6	+ 0·7	289·2	+ 0·3	287·5	+ 0·4
1917	286·1	+ 1·0	286·4	+ 0·7	287·9	+ 0·9	288·8	+ 0·8	288·3	+ 0·8	288·8	+ 0·3	288·0	+ 0·7	287·3	+ 1·1	288·0	+ 0·9	288·0	+ 0·3	287·2	+ 0·8	288·0	+ 0·8	287·7	+ 0·8	289·0	+ 0·1	287·9	+ 0·8
1918	284·3	− 0·8	285·0	− 0·7	287·1	+ 0·1	288·1	+ 0·1	287·6	+ 0·1	288·4	− 0·1	287·3	0·0	286·1	− 0·1	287·1	0·0	287·6	− 0·1	286·1	− 0·3	287·1	− 0·1	286·8	− 0·1	288·9	0·0	287·0	− 0·1

The estimates of mean temperature are made from the observed maximum and minimum readings by the rules detailed in the Guide to the Weekly Weather Report

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881-1915.

Years.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th. hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	·32	3·5	92	·41	4·5	98	·47	5·1	97	·50	5·5	93	·46	5·0	94	·53	5·7	92	·47	5·2	95	·44	4·8	96	·44	4·8	92	·51	5·5	95	·36	4·0	93	·43	4·7	96	·44	4·8	96	·65	7·0	98	·46	5·0	96
1886-1890 ..	30	3·3	87	·41	4·5	97	·45	4·8	93	·51	5·5	91	·46	5·0	94	·51	5·6	90	·47	5·1	93	·43	4·7	94	·43	4·7	90	·49	5·3	91	·36	3·9	91	·44	4·6	98	·43	4·7	94	·64	6·9	98	·45	4·9	94
1891-1895 ..	·31	3·3	87	·41	4·5	97	·47	5·1	98	·51	5·6	95	·47	5·1	96	·54	5·9	95	·48	5·2	95	·44	4·8	96	·42	4·6	88	·49	5·4	95	·37	4·0	93	·41	4·4	90	·43	4·7	94	·64	7·0	96	·46	5·0	96
1896-1900 ..	·39	4·2	110	·47	5·1	110	·51	5·5	106	·60	6·5	111	·53	5·8	103	·65	7·0	113	·55	6·0	109	·45	4·9	98	·51	5·5	106	·59	6·4	110	·41	4·5	105	·48	5·2	106	·49	5·3	106	·72	7·8	110	·52	5·7	109
1901-1905 ..	·37	4·0	105	·42	4·5	98	·51	5·6	107	·58	6·3	108	·49	5·3	100	·58	6·3	102	·52	5·6	102	·47	5·2	104	·51	5·6	108	·53	5·8	100	·39	4·3	100	·44	4·8	98	·47	5·1	102	·63	6·9	97	·50	5·4	104
1906-1910 ..	·37	4·0	105	·42	4·5	98	·47	5·1	99	·54	5·8	100	·48	5·2	98	·57	6·2	104	·50	5·4	98	·46	5·0	100	·49	5·3	102	·50	5·9	102	·41	4·5	105	·46	5·0	102	·47	5·1	102	·63	6·8	97	·48	5·2	101
1911-1915 ..	·35	3·9	103	·40	4·4	96	·46	5·1	98	·53	5·9	100	·46	5·1	96	·57	6·3	102	·49	5·4	98	·45	5·0	100	·50	5·5	106	·53	5·9	102	·41	4·6	107	·45	5·0	102	·47	5·2	104	·62	6·9	97	·48	5·3	102
35 years normal ..	**·34**	**3·8**	—	**·41**	**4·6**	—	**·47**	**5·2**	—	**·53**	**5·9**	—	**·48**	**5·3**	—	**·56**	**6·2**	—	**·50**	**5·5**	—	**·45**	**5·0**	—	**·47**	**5·2**	—	**·52**	**5·8**	—	**·39**	**4·3**	—	**·44**	**4·9**	—	**·45**	**5·0**	—	**·64**	**7·1**	—	**·47**	**5·2**	—
1913	·33	3·7	97	·36	4·0	86	·39	4·3	81	·42	4·6	77	·35	3·9	74	·44	4·8	77	·39	4·3	78	·46	5·0	100	·49	5·4	104	·49	5·4	93	·41	4·6	107	·44	4·9	100	·46	5·0	100	·56	6·2	86	·43	4·7	89
1914	·37	4·1	108	·44	4·9	107	·52	5·8	112	·56	6·2	105	·50	5·6	106	·62	6·9	111	·53	5·9	107	·47	5·2	104	·54	6·0	115	·56	6·1	105	·43	4·8	112	·43	4·8	98	·49	5·4	108	·60	6·7	94	·51	5·7	109
1915	·33	3·6	95	·40	4·4	94	·49	5·3	101	·53	5·8	97	·48	5·2	98	·56	6·1	98	·49	5·4	98	·43	5·0	100	·49	5·3	102	·55	6·0	103	·37	4·0	93	·47	5·1	104	·47	5·1	102	·71	7·7	108	·48	5·2	100
1916	·29	3·2	83	·38	4·0	87	·42	4·7	90	·42	4·7	79	·42	4·7	89	·50	5·5	88	·42	4·7	86	·41	4·6	93	·43	4·8	92	·50	5·6	97	·34	3·8	88	·41	4·6	93	·42	4·7	93	·63	7·0	98	·42	4·7	90
1917	·40	4·5	118	·40	4·5	98	·46	5·1	98	·55	6·1	103	·44	4·9	94	·53	5·9	95	·48	5·3	98	·44	4·9	98	·46	5·1	98	·46	5·1	87	·40	4·5	105	·41	4·6	95	·43	4·8	96	·58	6·4	90	·46	5·1	97
1918	·34	3·8	101	·41	4·6	101	·49	5·5	106	·54	6·0	101	·47	5·3	100	·57	6·3	101	·49	5·5	102	·42	4·7	91	·46	5·1	98	·51	5·7	98	·38	4·2	99	·46	5·1	105	·45	5·0	99	·66	7·3	102	·47	5·3	100

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
1st *November*, 1918.

Col. H. G. Lyons, R.E., F.R.S.,
Director.

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WEEKLY WEATHER REPORT, 1918. FOURTH QUARTER (OCTOBER, NOVEMBER, DECEMBER).

Forty-first Year. Vol. XXXV. [*New Series.*] | Appendix I. 4th Quarter.

A DULL QUARTER: DRY SPELLS IN OCTOBER AND NOVEMBER, EXCEPTIONAL WARMTH IN EARLY DECEMBER.

[*Price* 4*d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE OF THE FOURTH QUARTER FOR THE THIRTY-EIGHT YEARS, 1881–1918.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881–1915.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1–5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6–10.			11. English Channel.			Districts 1–10 combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%		mm.	%		mm.	%		mm	%
Lustra.* 1881–1885 ..	68	*411*	*96*	54	*236*	*89*	55	185	97	59	*211*	*115*	55	218	106	52	226	93	55	216	101	58	*419*	*108*	56	279	99	62	348	100	64	300	102	61	300	94	60	329	101	67	315	101	58	273	101
1886–1890 ..	71	*422*	*98*	57	226	95	53	185	97	51	*155*	*85*	50	183	89	52	224	92	53	196	92	58	389	100	59	272	96	62	345	99	64	307	105	59	320	100	60	325	99	69	302	96	57	262	97
1891–1895 ..	67	442	103	53	224	94	54	183	96	55	*196*	*107*	53	211	102	54	267	110	54	216	101	59	404	104	58	297	105	59	371	106	64	287	98	58	335	104	60	338	103	64	312	100	57	277	103
1896–1900 ..	69	488	114	57	259	108	53	206	108	49	*150*	*82*	49	191	93	47	208	85	51	203	95	61	*391*	*101*	51	282	100	57	343	98	63	300	102	58	306	114	59	335	103	61	287	92	55	269	100
1901–1905 ..	69	*401*	*94*	57	213	89	48	188	98	47	*145*	*79*	47	168	82	47	198	81	49	183	86	60	*373*	*96*	53	262	93	53	279	80	66	279	95	57	262	82	58	292	89	64	269	86	54	239	89
1906–1910 ..	70	389	91	57	249	104	54	193	101	54	201	110	56	231	112	54	267	110	55	229	107	60	371	95	61	297	105	64	363	104	66	289	92	69	300	94	64	320	98	65	335	107	60	274	102
1911–1915 ..	67	440	103	59	268	112	56	199	104	57	221	121	53	240	116	53	315	129	56	249	117	60	374	96	57	296	105	60	391	112	62	309	106	66	359	112	61	346	106	65	370	118	58	297	110
35 years normal ..	**69**	**428**	—	**56**	**239**	—	**53**	**191**	—	**53**	**183**	—	**52**	**206**	—	**51**	**244**	—	**53**	**213**	—	**59**	**389**	—	**57**	**282**	—	**60**	**349**	—	**64**	**293**	—	**61**	**320**	—	**60**	**327**	—	**65**	**313**	—	**57**	**270**	—
1913	71	521	122	52	170	71	47	140	73	50	155	85	50	183	89	47	218	89	50	173	81	67	343	88	59	244	87	60	312	89	65	300	102	67	325	102	63	305	93	63	302	97	56	239	89
1914	64	437	102	60	290	121	61	224	117	62	267	146	51	287	139	58	363	149	59	287	135	56	363	93	55	318	113	60	404	116	58	300	102	60	378	118	58	353	108	61	381	122	59	320	119
1915	59	284	66	56	271	113	54	215	113	53	224	122	47	249	121	47	324	133	51	257	121	51	332	85	48	268	95	54	423	121	60	294	100	60	388	121	55	341	104	60	387	124	53	299	111
1916	71	522	122	63	321	134	58	213	112	55	214	117	56	234	113	55	332	136	57	263	124	74	435	112	66	320	113	63	409	117	76	375	128	76	460	144	71	400	122	71	374	120	64	333	123
1917	81	622	145	59	247	103	47	141	74	50	155	85	48	158	77	48	183	75	50	177	82	69	489	126	62	287	102	53	245	70	74	351	120	67	237	74	65	322	98	60	244	78	58	250	90
1918	69	432	101	56	197	82	54	161	84	58	168	92	57	168	82	58	171	70	57	173	82	70	477	123	60	294	104	67	297	85	69	333	114	68	353	110	67	351	107	66	270	86	62	262	97

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months ~~July, August, September, etc.~~ October, November, December. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period July 1st to September 30th.

(21484—19.) Wt. 199—S.O.P. 789/476. 625. 2/19. D & S. G. 17/37.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 years, 1881-1915.

Years.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881-1885 ..	*278·3*	*- 0·5*	*278·1*	*- 0·3*	279·3	- 0·2	279·3	- 0·5	279·1	- 0·2	280·3	- 0·3	279·2	- 0·3	279·2	*- 0·4*	279·7	- 0·3	281·1	+ 0·2	279·6	- 0·4	280·6	- 0·1	280·1	- 0·1	282·5	- 0·4	279·7	- 0·2
1886-1890 ..	*78·7*	*- 0·1*	78·3	- 0·1	78·9	- 0·6	78·7	- 1·1	78·6	- 0·7	79·7	- 0·9	78·9	- 0·6	79·3	- 0·3	79·4	- 0·6	80·3	- 0·6	79·8	- 0·2	80·5	- 0·2	79·9	- 0·3	82·3	- 0·6	79·4	- 0·5
1891-1895 ..	78·5	- 0·3	78·0	- 0·4	79·1	- 0·4	79·5	- 0·3	79·1	- 0·2	80·6	0·0	79·2	- 0·3	79·4	- 0·2	79·9	- 0·1	80·9	0·0	79·6	- 0·4	80·5	- 0·2	80·1	- 0·1	82·9	0·0	79·7	- 0·2
1896-1900 ..	79·2	+ 0·4	78·9	+ 0·5	80·1	+ 0·6	80·2	+ 0·4	79·7	+ 0·4	81·3	+ 0·7	80·1	+ 0·6	80·2	+ 0·6	80·7	+ 0·7	81·4	+ 0·5	80·4	+ 0·4	81·4	+ 0·7	80·8	+ 0·6	83·6	+ 0·7	80·4	+ 0·5
1901-1905 ..	*78·8*	*0·0*	78·4	0·0	79·3	- 0·2	79·5	- 0·3	78·9	- 0·4	80·2	- 0·4	79·3	- 0·2	79·6	0·0	79·8	- 0·2	80·5	- 0·4	80·1	+ 0·1	80·8	+ 0·1	80·1	- 0·1	82·7	- 0·2	79·7	- 0·2
1906-1910 ..	79·2	+ 0·4	78·9	+ 0·5	79·9	+ 0·4	80·6	+ 0·8	79·9	+ 0·6	81·1	+ 0·5	80·1	+ 0·6	79·8	+ 0·2	80·3	+ 0·3	81·2	+ 0·3	80·5	+ 0·5	81·1	+ 0·4	80·6	+ 0·4	83·3	+ 0·4	80·4	+ 0·5
1911-1915 ..	78·9	+ 0·1	78·4	0·0	79·8	+ 0·3	80·5	+ 0·7	79·8	+ 0·5	81·1	+ 0·5	79·9	+ 0·4	79·7	+ 0·1	80·3	+ 0·3	81·2	+ 0·3	80·3	+ 0·3	80·9	+ 0·2	80·4	+ 0·2	83·1	+ 0·2	80·2	+ 0·3
35 years normal ..	**78·8**	—	**78·4**	—	**79·5**	—	**79·8**	—	**79·3**	—	**80·6**	—	**79·5**	—	**79·6**	—	**80·0**	—	**80·9**	—	**80·0**	—	**80·7**	—	**80·2**	—	**82·9**	—	**79·9**	—
1913	80·1	+ 1·3	79·7	+ 1·3	80·7	+ 1·2	81·4	+ 1·6	80·8	+ 1·5	82·1	+ 1·5	80·9	+ 1·4	80·8	+ 1·2	81·5	+ 1·5	82·1	+ 1·2	81·3	+ 1·3	81·6	+ 0·9	81·4	+ 1·2	83·8	+ 0·9	81·2	+ 1·3
1914	79·0	+ 0·2	78·6	+ 0·2	80·2	+ 0·7	80·7	+ 0·9	80·0	+ 0·7	81·2	+ 0·6	80·1	+ 0·6	79·8	+ 0·2	80·3	+ 0·3	81·1	+ 0·2	80·1	+ 0·1	80·7	0·0	80·4	+ 0·2	83·0	+ 0·1	80·3	+ 0·4
1915	77·7	- 1·1	77·1	- 1·3	78·6	- 0·9	79·6	- 0·2	78·6	- 0·7	80·1	- 0·5	78·8	- 0·7	78·3	- 1·3	78·8	- 1·2	80·1	- 0·8	79·4	- 0·6	80·1	- 0·6	79·3	- 0·9	82·3	- 0·6	79·1	- 0·8
1916	79·2	+ 0·4	78·4	0·0	79·5	0·0	79·6	- 0·2	79·1	- 0·2	80·5	- 0·1	79·5	0·0	79·7	+ 0·1	80·0	0·0	80·7	- 0·2	80·1	+ 0·1	80·7	0·0	80·2	0·0	82·6	- 0·3	79·9	0·0
1917	78·1	- 0·7	77·8	- 0·6	79·0	- 0·5	78·9	- 0·9	78·8	- 0·5	79·6	- 1·0	78·8	- 0·7	79·0	- 0·6	79·6	- 0·4	80·0	- 0·9	79·7	- 0·3	80·3	- 0·4	79·7	- 0·5	81·9	- 1·0	79·3	- 0·6
1918	79·0	+ 0·2	78·5	+ 0·1	79·9	+ 0·4	80·4	+ 0·6	80·0	+ 0·7	81·3	+ 0·7	80·0	+ 0·5	79·8	+ 0·2	80·5	+ 0·5	81·4	+ 0·5	80·5	+ 0·5	81·2	+ 0·5	80·7	+ 0·5	83·2	+ 0·3	80·4	+ 0·5

The estimates of mean temperature are made from the observed maximum and minimum readings by the rules detailed in the Guide to the Weekly Weather Report

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881-1915.

Years.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of norma	Th. hrs	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	*·14*	1·5	*100*	*·18*	2·0	*106*	*·18*	1·9	93	·19	2·1	10	·18	1·9	98	·19	2·1	87	·18	2·0	96	·16	1·8	100	·15	1·6	87	*·19*	2·1	*91*	·18	2·0	96	·21	2·3	99	·18	1·9	90	·23	2·5	85	·18	2·0	96
1886-1890 ..	*·12*	1·3	*84*	*·15*	1·6	*87*	*·19*	2·1	*100*	·21	2·3	102	·18	2·0	101	*·20*	2·2	92	·19	2·1	98	·15	1·7	96	·15	1·7	88	*·20*	2·2	*97*	·17	1·8	87	·20	2·2	95	·17	1·9	90	·27	2·9	103	·18	2·9	95
1891-1895 ..	*·13*	1·4	*90*	*·18*	2·0	*108*	*·20*	2·1	*103*	·20	2·2	97	·19	2·1	106	·22	2·4	100	·20	2·2	105	·18	1·9	110	*·16*	1·8	*97*	*·22*	2·4	*104*	·21	2·2	108	·23	2·6	111	·20	2·2	104	·27	2·9	103	·20	2·2	105
1896-1900 ..	*·14*	1·1	*99*	*·16*	1·8	*95*	*·18*	2·0	*97*	·23	2·5	110	·19	2·0	103	·24	2·6	108	·20	2·2	105	·16	1·8	100	·18	2·0	108	*·22*	2·4	*104*	·19	2·0	98	·23	2·5	110	·20	2·1	100	·26	2·8	99	·20	2·2	105
1901-1905 ..	·14	1·5	97	·17	1·9	102	*·19*	2·1	*103*	·21	2·3	100	·17	1·8	93	·20	2·2	92	·19	2·1	101	·16	1·8	101	·18	2·0	108	*·20*	2·2	*97*	·18	2·0	94	·20	2·2	95	·18	2·0	95	·24	2·6	93	·19	2·1	99
1906-1910 ..	·14	1·6	103	·19	2·0	111	·20	2·1	103	·21	2·3	100	·18	2·0	101	·23	2·5	104	·20	2·2	105	·16	1·7	99	·20	2·2	116	·22	2·4	107	·19	2·1	102	·20	2·2	97	·19	2·1	100	·26	2·9	102	·20	2·2	105
1911-1915 ..	·11	1·5	100	·18	1·9	100	·19	2·0	95	·21	2·2	96	·17	1·9	95	·22	2·4	100	·19	2·1	100	·16	1·7	99	·19	2·0	108	·22	2·4	104	·18	1·9	95	·21	2·3	100	·19	2·1	100	·25	2·7	96	·19	2·1	100
35 years normal ..	**·14**	**1·5**	—	**·17**	**1·9**	—	**·19**	**2 1**	—	**·21**	**2·3**	—	**·18**	**2·0**	—	**·21**	**2·4**	—	**·19**	**2·1**	—	**·16**	**1·8**	—	**·17**	**1·9**	—	**·21**	**2·3**	—	**·19**	**2·0**	—	**·21**	**2·3**	—	**19**	**2·1**	—	**·25**	**2·8**	—	**·19**	**2·1**	—
1913	·15	1 5	110	·21	2·1	121	·23	2·3	119	·27	2·7	127	·20	2·0	111	·26	2·6	108	·23	2·4	120	·18	1·8	110	·20	2·0	113	·23	2·3	110	·19	2·0	105	·21	2·1	97	·20	2·1	100	·27	2·8	107	·22	2·2	114
1914	·12	1·3	87	·16	1·9	100	·17	1·9	90	·18	2·0	87	·16	1·8	90	·21	2·3	96	·18	2·0	93	·14	1·6	89	·17	1·9	100	·21	2·4	104	·17	1·9	95	·22	2·5	109	·18	2 1	100	·24	2·7	96	·18	2·0	96
1915	·16	1·8	121	·17	1·9	102	·17	1·9	89	·18	2·0	86	·14	1·6	81	·19	2·1	87	·17	1·9	89	·16	1·8	103	·20	2·2	110	·22	2·4	104	·18	2·0	100	·22	2·4	104	·20	2·2	104	·23	2·5	89	·18	2·0	97
1916	·10	1·1	73	·15	1·7	88	·16	1·8	86	·18	2·0	86	·16	1·8	89	·18	2·0	84	·16	1·8	86	·13	1·4	81	·15	1·7	88	·18	2·0	85	·14	1·5	73	·15	1·7	72	·15	1·7	80	·23	2·6	93	·15	1·7	83
1917	·10	1·1	76	·20	2·2	115	·23	2·6	125	·27	3·0	129	·21	2·3	117	·25	2·8	121	·23	2·6	121	·16	1·8	99	·16	1·8	92	·21	2·3	99	·15	1·7	84	·18	2·0	85	·17	1·9	92	·21	2·3	81	·20	2·2	106
1918	·13	1·5	102	·18	2·0	105	·16	1·8	88	·17	1·9	81	·16	1·8	91	·19	2·1	87	·17	1·9	90	·15	1·7	95	·17	1·9	100	·21	2·3	99	·19	2·1	103	·19	2·1	91	·18	2·0	97	·24	2·7	96	·18	2·0	93

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
February 13th, 1919.

Col. H. G. Lyons, R.E., F.R.S.,
Director.

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WEEKLY WEATHER REPORT, 1918. VALUES FOR THE WHOLE YEAR.

Forty-first Year. Vol. XXXV. [*New Series.*] } APPENDIX I. YEAR.

A RATHER WET YEAR.

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SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-EIGHT YEARS, 1881-1918.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and North Wales.			8. South Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
Lustra.* 1881-1885 ..	241	*1250*	*96*	198	*846*	*107*	188	648	103	187	*660*	*109*	186	737	109	177	696	99	187	716	105	216	*1235*	*106*	198	930	104	211	1034	104	236	980	101	217	1059	104	216	1057	104	222	859	102	202	886	104
1886-1890 ..	251	*1278*	*97*	203	737	93	187	632	100	184	*574*	*95*	176	650	96	177	681	97	185	655	96	207	1163	96	197	846	94	200	950	95	223	963	99	204	983	97	206	980	96	217	813	97	196	818	96
1891-1895 ..	244	1339	101	196	772	98	190	630	100	184	*610*	*101*	178	640	94	174	701	99	184	671	98	206	1156	95	196	892	91	191	975	98	225	919	95	200	993	98	204	988	97	200	838	100	194	831	98
1896-1900 ..	248	1417	107	209	810	103	183	635	101	173	*559*	*92*	172	653	96	161	643	91	180	660	97	225	*1245*	*103*	198	917	102	194	996	100	235	1006	104	206	1092	107	212	1049	103	204	800	95	196	856	101
1901-1905 ..	255	*1356*	*103*	213	759	96	177	597	95	170	*569*	*94*	175	660	97	174	699	99	182	658	97	218	*1278*	*105*	202	838	94	194	950	95	247	996	102	215	991	97	215	1008	99	219	836	102	199	833	98
1906-1910 ..	257	1285	97	210	820	104	192	620	98	186	617	102	189	699	103	182	726	103	192	696	102	217	1229	102	213	953	106	208	1006	101	244	988	102	240	963	94	224	1029	101	201	800	95	208	864	102
1911-1915 ..	237	1285	97	201	791	100	187	650	103	184	651	107	174	717	106	171	794	113	183	721	106	208	1107	92	193	904	101	198	1083	108	222	942	97	229	1081	106	210	1023	100	200	936	111	197	872	102
35 years normal ..	**248**	**1316**	—	**204**	**791**	—	**186**	**630**	—	**181**	**606**	—	**179**	**679**	—	**174**	**706**	—	**185**	**682**	—	**214**	**1209**	—	**200**	**897**	—	**199**	**999**	—	**233**	**971**	—	**216**	**1023**	—	**212**	**1019**	—	**209**	**840**	—	**199**	**851**	—
1911	227	1303	99	200	747	95	180	599	95	175	587	97	162	559	82	159	714	101	175	640	94	201	1125	93	182	871	97	179	935	94	195	851	88	212	1003	98	194	958	94	186	859	102	185	800	94
1912	250	1402	106	216	853	108	207	790	125	199	754	124	189	879	120	194	831	118	200	823	121	223	1201	98	214	1006	112	218	1224	123	240	1008	104	249	1077	106	229	1102	108	226	1062	125	214	963	114
1913	236	1311	100	195	681	86	180	559	89	176	536	89	178	671	99	169	688	98	180	627	92	217	1095	89	203	876	98	204	1008	101	235	1001	103	237	1125	110	219	1021	100	203	818	97	200	823	97
1914	240	1334	101	197	815	103	183	625	99	183	643	106	177	721	106	174	833	118	183	729	107	208	1110	90	192	919	103	200	1148	115	221	960	99	228	1125	110	210	1052	103	199	1003	119	197	892	105
1915	231	1074	81	199	860	109	186	679	108	185	736	121	164	753	111	159	904	128	178	786	115	191	1002	82	174	846	94	189	1102	111	221	892	92	221	1074	105	199	983	96	188	949	113	189	885	106
1916	255	1440	109	226	1065	135	199	718	114	194	713	118	194	752	111	187	880	122	200	822	121	236	1208	100	210	940	105	204	1090	109	248	1038	107	251	1148	113	230	1085	106	212	940	112	215	954	112
1917	257	1405	107	198	766	97	179	603	96	174	628	104	173	673	98	168	737	104	179	682	100	216	1165	97	187	849	95	183	990	99	240	994	102	225	905	89	210	963	95	194	779	93	195	823	97
1918	250	1383	105	208	777	98	191	637	101	188	675	111	189	734	108	183	751	106	193	715	105	231	1320	109	203	1002	112	206	1035	104	237	994	102	235	1122	110	222	1095	108	201	773	92	209	995	106

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the lists of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—The values for years prior to 1914 are for the periods of 52 weeks coinciding most nearly with the Calendar Year. From 1914 the values refer to the year January 1st to December 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 Years, 1881–1915.

Years	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1–5.		Western Districts. 6. Scotland, W.		7. England, N.W and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6–10.		11. English Channel.		Districts 1–10 Combined.	
	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881–1885 ..	*280·4*	*− 0·1*	*280·6*	*− 0·1*	281·5	− 0·1	282·1	− 0·1	281·9	0·0	282·8	0·0	281·8	0·0	*281·4*	*− 0·2*	281·9	− 0·2	282·7	0·0	281·8	− 0·1	282·6	− 0·2	282·1	− 0·1	283·8	− 0·3	281·9	− 0·1
1886–1890 ..	*280·3*	*− 0·2*	280·6	− 0·1	281·1	− 0·5	281·4	− 0·8	281·4	− 0·5	82·2	− 0·6	281·3	− 0·5	281·3	− 0·3	281·6	− 0·5	282·3	− 0·4	281·7	− 0·2	282·5	− 0·3	281·9	− 0·3	283·6	− 0·5	281·6	− 0·4
1891–1895 ..	280·4	− 0·1	280·4	− 0·3	281·3	− 0·3	281·8	− 0·4	281·7	− 0·2	282·7	− 0·1	281·6	− 0·2	281·4	− 0·2	282·0	− 0·1	282·6	− 0·1	281·8	− 0·1	282·6	− 0·2	282·1	− 0·1	284·1	0·0	281·9	− 0·1
1896–1900 ..	280·8	+ 0·3	281·0	+ 0·3	281·9	+ 0·3	282·5	+ 0·3	282·3	+ 0·4	283·4	+ 0·6	282·2	+ 0·4	281·9	+ 0·3	282·6	+ 0·5	283·3	+ 0·6	282·3	+ 0·4	283·2	+ 0·4	282·7	+ 0·5	284·8	+ 0·7	282·4	+ 0·4
1901–1905 ..	*280·6*	*+ 0·1*	280·6	− 0·1	281·7	+ 0·1	282·3	+ 0·1	281·8	− 0·1	282·7	− 0·1	281·8	0·0	281·5	− 0·1	282·0	− 0·1	282·7	0·0	281·9	0·0	282·8	0·0	282·2	0·0	284·1	0·0	282·0	0·0
1906–1910 ..	280·5	0·0	280·6	− 0·1	281·7	+ 0·1	282·3	+ 0·1	281·9	0·0	282·6	− 0·2	281·8	0·0	281·6	0·0	281·9	− 0·2	282·5	− 0·2	281·9	0·0	282·9	+ 0·1	282·1	− 0·1	284·1	0·0	282·0	0·0
1911–1915 ..	280·8	+ 0·3	280·8	+ 0·1	282·0	+ 0·4	282·8	+ 0·6	282·4	+ 0·5	283·2	+ 0·4	282·2	+ 0·4	281·8	+ 0·2	282·4	+ 0·3	283·0	+ 0·3	282·1	+ 0·2	282·9	+ 0·1	282·4	+ 0·2	284·4	+ 0·3	282·3	+ 0·3
35 years normal ..	**280·5**	—	**280·7**	—	**281·6**	—	**282·2**	—	**281·9**	—	**282·8**	—	**281·8**	—	**281·6**	—	**282·1**	—	**282·7**	—	**281·9**	—	**282·8**	—	**282·2**	—	**284·1**	—	**282·0**	—
1911	281·1	+ 0·6	281·2	+ 0·5	282·4	+ 0·8	283·2	+ 1·0	282·8	+ 0·9	283·6	+ 0·8	282·4	+ 0·6	282·1	+ 0·5	282·9	+ 0·8	283·4	+ 0·7	282·4	+ 0·5	283·2	+ 0·4	282·8	+ 0·6	284·7	+ 0·6	282·6	+ 0·6
1912	280·6	+ 0·1	280·6	− 0·1	281·7	+ 0·1	282·7	+ 0·5	282·1	+ 0·2	283·0	+ 0·2	282·0	+ 0·2	281·6	0·0	282·1	0·0	282·8	+ 0·1	281·9	0·0	282·8	0·0	282·2	0·0	281·3	+ 0·2	282·1	+ 0·1
1913	281·1	+ 0·6	281·0	+ 0·3	282·1	+ 0·5	282·9	+ 0·7	282·4	+ 0·5	283·4	+ 0·6	282·3	+ 0·5	281·9	+ 0·3	282·6	+ 0·5	283·2	+ 0·5	282·1	+ 0·2	282·8	0·0	282·4	+ 0·3	284·4	+ 0·3	282·4	+ 0·4
1914	281·1	+ 0·6	281·1	+ 0·4	282·6	+ 1·0	283·1	+ 0·9	282·7	+ 0·8	283·4	+ 0·6	282·6	+ 0·8	282·1	+ 0·5	282·7	+ 0·6	283·2	+ 0·5	282·3	+ 0·4	283·1	+ 0·3	282·7	+ 0·5	284·5	+ 0·4	282·6	+ 0·6
1915	280·3	− 0·2	280·1	− 0·6	281·4	− 0·2	282·2	0·0	281·8	− 0·1	282·6	− 0·2	281·6	− 0·2	281·1	− 0·5	281·7	− 0·4	282·4	− 0·3	281·6	− 0·3	282·5	− 0·3	281·9	− 0·3	283·9	− 0·2	281·8	− 0·2
1916	280·7	+ 0·2	280·4	− 0·3	281·8	+ 0·2	282·3	+ 0·1	281·9	0·0	282·8	0·0	281·8	0·0	281·7	+ 0·1	282·2	+ 0·1	282·8	+ 0·1	281·9	0·0	282·8	0·0	282·3	+ 0·1	284·1	0·0	282·1	+ 0·1
1917	280·3	− 0·2	280·1	− 0·6	281·2	− 0·4	281·7	− 0·5	281·5	− 0·4	282·1	− 0·7	281·3	− 0·5	281·2	− 0·4	281·6	− 0·5	281·9	− 0·8	281·5	− 0·4	282·3	− 0·5	281·7	− 0·5	283·4	− 0·7	281·5	− 0·5
1918	280·6	+ 0·1	280·6	− 0·1	282·1	+ 0·5	282·5	+ 0·3	282·5	+ 0·6	223·1	+ 0·3	282·2	+ 0·4	281·8	+ 0·2	282·5	+ 0·4	283·1	+ 0·4	282·3	+ 0·4	283·2	+ 0·4	282·6	+ 0·4	284·4	+ 0·3	282·4	+ 0·4

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the Guide to the Tables of the Weekly Weather Report.

TABLE III.—Bright Sunshine, in Thousand-Hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881–1915.

Years.	0. Scotland, N.			1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1–5.			6. Scotland, W.			7. England, N.W and North Wales.			8. South Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6–10.			11. English Channel.			Districts 1–10 Combined.		
	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.
Lustra.* 1881–1885 ..	*1·08*	3·0	*97*	*1·33*	3·6	*100*	*1·41*	3·8	*97*	1·54	4·2	97	1·39	3·8	99	*1·54*	4·2	*95*	1·44	3·9	97	1·33	3·6	98	1·32	3·6	92	*1·51*	4·1	*96*	1·26	3·5	98	1·45	4·0	101	1·37	3·8	98	1·89	5·2	102	1·41	3·8	97
1886–1890 ..	*0·99*	2·7	*89*	*1·28*	3·5	*97*	*1·35*	3·7	*95*	1·48	4·1	94	1·32	3·6	94	1·45	4·0	90	1·38	3·8	93	1·32	3·6	97	1·29	3·5	90	*1·48*	4·0	*94*	1·20	3·3	94	1·43	3·9	99	1·34	3·7	95	1·84	5·0	98	1·36	3·7	94
1891–1895 ..	*1·15*	3·1	*103*	*1·40*	3·9	*106*	*1·52*	4·2	*108*	1·59	4·4	101	1·49	4·1	106	1·70	4·8	105	1·54	4·2	104	1·42	3·9	104	*1·38*	3·8	*97*	*1·64*	4·5	*104*	1·33	3·6	104	1·47	4·0	102	1·45	4·0	103	2·02	5·5	108	1·50	4·1	103
1896–1900 ..	*1·17*	3·2	*106*	*1·35*	3·7	*102*	*1·44*	3·9	*100*	1·64	4·5	104	1·46	4·0	104	1·71	4·7	106	1·52	4·2	103	1·34	3·7	99	1·48	4·0	103	*1·65*	4·5	*105*	1·31	3·6	102	1·49	4·1	103	1·45	4·0	103	1·94	5·3	104	1·49	4·0	103
1901–1905 ..	1·15	3·1	103	1·28	3·5	96	*1·49*	4·1	*105*	1·63	4·4	103	1·37	3·7	97	*1·60*	4·4	*99*	1·47	4·0	100	1·38	3·8	101	1·49	4·0	103	*1·52*	4·2	*97*	1·29	3·5	101	1·40	3·8	97	1·42	3·9	101	1·80	4·9	96	1·45	4·0	100
1906–1910 ..	1·14	3·1	103	1·34	3·7	101	1·45	4·0	103	1·61	4·4	102	1·43	3·9	101	1·70	4·7	105	1·51	4·1	102	1·36	3·7	100	1·47	4·0	103	1·62	4·4	103	1·29	3·5	101	1·42	3·9	99	1·43	3·9	101	1·87	5·1	100	1·47	3·9	101
1911–1915 ..	1·11	3·0	100	1·29	3·5	97	1·40	3·8	97	1·57	4·3	100	1·36	3·7	97	1·65	4·6	104	1·45	4·0	100	1·34	3·7	100	1·45	4·0	103	1·54	4·2	98	1·28	3·5	100	1·42	3·9	98	1·41	3·9	100	1·76	4·9	96	1·43	3·9	98
35 years normal ..	**1·11**	**3 0**	—	**1·32**	**3·6**	—	**1·44**	**3·9**	—	**1·58**	**4·3**	—	**1·40**	**3·8**	—	**1·62**	**4·4**	—	**1·47**	**4·0**	—	**1·36**	**3·7**	—	**1·41**	**3·9**	—	**1·57**	**4·3**	—	**1·28**	**3·5**	—	**1·44**	**4·0**	—	**1·41**	**3·9**	—	**1·87**	**5·1**	—	**1·44**	**4·0**	—
1911	1·26	3·4	113	1·48	4·0	111	1·60	4·4	113	1·80	4·9	114	1·59	4·3	113	1·93	5·3	119	1·68	4·6	114	1·54	4·2	113	1·68	4·6	118	1·84	5·0	117	1·52	4·2	119	1·63	4·4	113	1·64	4·5	116	2·03	5·5	108	1·66	4·5	115
1912	1·01	2·8	91	1·02	2·9	77	1·12	3·1	80	1·38	3·8	87	1·13	3·2	80	1·44	4·2	89	1·22	3·4	82	1·15	3·2	85	1·21	3·3	85	1·26	3·5	80	1·11	3·1	87	1·26	3·5	88	1·20	3·3	85	1·61	4·5	88	1·21	3·3	83
1913	1·02	2·8	91	1·22	3·3	91	1·29	3·5	90	1·43	3·9	91	1·19	3·2	85	1·47	4·0	91	1·32	3·6	91	1·22	3·3	89	1·32	3·7	95	1·42	3·9	90	1·20	3·3	94	1·31	3·6	91	1·29	3·5	92	1·63	4·5	88	1·31	3·6	92
1914	1·08	3·0	100	1·38	3·8	106	1·52	4·2	108	1·68	4·6	107	1·46	4·1	108	1·80	4·9	111	1·57	4·3	107	1·31	3·7	100	1·49	4·1	105	1·62	4·5	105	1·27	3·5	100	1·45	4·0	100	1·43	4·0	103	1·78	4·9	96	1·50	4·2	105
1915	1·16	3·2	105	1·34	3·7	101	1·48	4·0	103	1·58	4·3	98	1·42	3·9	100	1·59	4·4	98	1·48	4·0	100	1·47	4·0	109	1·57	4·3	110	1·56	4·3	100	1·31	3·6	103	1·46	4·0	102	1·48	4·1	105	1·77	4·9	96	1·48	4·0	102
1916	0·91	2·5	84	1·11	3·1	85	1·21	3·4	86	1·29	3·6	83	1·19	3·3	86	1·45	4·0	89	1·24	3·5	86	1·25	3·5	94	1·23	3·5	90	1·43	4·1	96	1·14	3·1	89	1·30	3·6	92	1·28	3·6	92	1·74	4·8	94	1·26	3·6	89
1917	1·11	3·1	101	1·32	3·6	100	1·38	3·9	98	1·58	4·4	102	1·31	3·7	95	1·60	4·4	100	1·45	4·0	99	1·29	3·6	96	1·35	3·8	98	1·53	4·2	99	1·20	3·3	95	1·33	3·7	93	1·34	3·7	96	1·77	4·9	96	1·40	3·9	98
1918	1·06	3·0	98	1·26	3·5	97	1·39	3·9	98	1·55	4·3	99	1·35	3·8	98	1·63	4·5	101	1·44	4·0	99	1·31	3·6	98	1·43	3·9	102	1·60	4·5	104	1·29	3·6	102	1·46	4·1	103	1·42	3·9	102	1·95	5·4	105	1·43	4·0	100

Meteorological Office, South Kensington, London, S.W. 7.
April 5th, 1919.

Col. H. G. Lyons, R.E., F.R.S.,
Director.

EXAMINED BY
AUTHORITY FOR ISSUE
ISSUED ON

AkS. 10. 5. 19.

WEEKLY WEATHER REPORT, 1918. APPENDIX II.

[*Price* 1*s*.

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF **RAIN-DAYS** IN EACH DISTRICT DURING THE YEAR 1918.

NUMBERS OF RAIN-DAYS—1918.

Eastern Districts. (For the Week / From Dec. 30, 1917.)

No. of Week.	Limiting Dates of each Week.	0. Scotland, N. For the Week.	0. From Dec. 30, 1917.	1. Scotland, E. For the Week.	1. From Dec. 30, 1917.	2. England, N.E. For the Week.	2. From Dec. 30, 1917.	3. England, E. For the Week.	3. From Dec. 30, 1917.	4. Midland Counties. For the Week.	4. From Dec. 30, 1917.	5. England, S.E. For the Week.	5. From Dec. 30, 1917.	Means for Eastern Districts. For the Week.	Means for Eastern Districts. From Dec. 30, 1917.
	1918.														
1	Dec. 30-Jan. 5	5	5	3	3	4	4	3	3	2	2	2	2	3	3
2	Jan. 6-12 -	7	12	6	9	4	8	4	7	5	7	3	5	4	7
3	13-19 -	5	17	4	13	5	13	6	13	6	13	7	12	6	13
4	Jan. 20-26 -	7	24	6	19	4	17	4	17	3	16	4	16	4	17
5	Jan. 27-Feb. 2	5	29	2	21	2	19	3	20	2	18	2	18	2	19
6	Feb. 3-9 -	6	35	5	26	6	25	6	26	6	24	6	24	6	25
7	10-16 -	5	40	4	30	4	29	3	29	3	27	2	26	3	28
8	17-23 -	7	47	5	35	2	31	1	30	2	29	2	28	2	30
9	Feb. 24-Mar. 2	5	52	5	40	4	35	3	33	4	33	4	32	4	34
	Winter Totals	75		55		47		47		43		44		47	
10	Mar. 3-9 -	2	54	4	44	4	39	4	37	2	35	2	34	3	37
11	10-16 -	3	57	2	46	2	41	1	38	2	37	1	35	2	39
12	17-23 -	5	62	2	48	1	42	1	39	2	39	1	36	2	41
13	Mar. 24-30 -	5	67	5	53	4	46	4	43	3	42	3	39	4	45
14	Mar. 31-Apl. 6	4	71	4	57	5	51	4	47	5	47	5	44	4	49
15	April 7-13 -	4	75	5	62	6	57	4	51	5	52	4	48	5	54
16	14-20 -	3	78	3	65	5	62	6	57	4	56	5	53	4	58
17	April 21-27 -	1	79	2	67	1	63	3	60	2	58	3	56	2	60
18	April 28-May 4	1	80	2	69	2	65	2	62	2	60	3	59	2	62
19	May 5-11 -	4	84	4	73	3	68	3	65	2	62	3	62	3	65
20	12-18 -	4	88	3	76	3	71	2	67	3	65	3	65	3	68
21	19-25 -	4	92	4	80	3	74	2	69	3	68	2	67	3	71
22	May 26-June 1	2	94	1	81	1	75	0	69	0	68	1	68	1	72
	Spring Totals	42		41		40		36		35		36		38	
23	June 2-8 -	3	97	2	83	2	77	1	70	1	69	1	69	1	73
24	9-15 -	6	103	3	86	1	78	2	72	3	72	3	72	2	75
25	16-22 -	6	109	5	91	4	82	5	77	5	77	3	75	4	79
26	June 23-29 -	3	112	3	94	2	84	2	79	2	79	2	77	2	81
27	June 30-July 6	3	115	1	95	1	85	0	79	1	80	0	77	1	82
28	July 7-13 -	6	121	5	100	5	90	4	83	5	85	5	82	5	87
29	14-20 -	6	127	7	107	6	96	6	89	6	91	6	88	6	93
30	July 21-27 -	5	132	6	113	6	102	6	95	6	97	6	94	6	99
31	July 28-Aug. 3	1	133	1	114	2	104	2	97	2	99	2	96	2	101
32	Aug. 4-10 -	4	137	4	118	3	107	3	100	3	102	4	100	3	104
33	11-17 -	7	144	4	122	2	109	1	101	2	104	1	101	2	106
34	18-24 -	6	150	5	127	1	110	1	102	1	105	1	102	2	108
35	Aug. 25-31 -	6	156	6	133	4	114	5	107	4	109	3	105	4	112
	Summer Totals	62		52		39		38		41		37		41	
36	Sept. 1-7 -	4	160	4	137	4	118	5	112	6	115	4	109	5	117
37	8-14 -	5	165	5	142	6	124	7	119	7	122	7	116	6	123
38	15-21 -	6	171	6	148	6	130	5	124	6	128	5	121	6	129
39	Sept. 22-28 -	7	178	6	154	5	135	4	128	5	133	4	125	5	134
40	Sept. 29-Oct. 5	6	184	6	160	6	141	4	132	6	139	4	129	5	139
41	Oct. 6-12 -	6	190	5	165	6	147	5	137	5	144	6	135	6	145
42	13-19 -	5	195	5	170	4	151	5	142	4	148	4	139	5	150
43	Oct. 20-26 -	5	200	4	174	3	154	4	146	4	152	4	143	4	154
44	Oct. 27-Nov. 2	6	206	6	180	2	156	3	149	2	154	5	148	4	158
45	Nov. 3-9 -	6	212	5	185	4	160	4	153	4	158	4	152	4	162
46	10-16 -	3	215	2	187	1	161	2	155	1	159	2	154	2	164
47	17-23 -	3	218	1	188	1	162	2	157	1	160	1	155	1	165
48	Nov. 24-30 -	5	223	5	193	6	168	6	163	6	166	6	161	6	171
	Autumn Totals	67		60		54		56		57		56		57	
49	Dec. 1-7 -	6	229	5	198	5	173	6	169	5	171	5	166	5	176
50	8-14 -	6	235	5	203	4	177	6	175	7	178	6	172	5	181
51	15-21 -	4	239	3	206	5	182	6	181	6	184	6	178	5	186
52	Dec. 22-28 -	6	245	5	211	5	187	5	186	5	189	6	184	5	191

Western Districts. (For the Week / From Dec. 30, 1917.)

No. of Week.	Limiting Dates of each Week.	6. Scotland, W. For the Week.	6. From Dec. 30, 1917.	7. England, N.W. and North Wales. For the Week.	7. From Dec. 30, 1917.	8. South Wales and England, S.W. For the Week.	8. From Dec. 30, 1917.	9. Ireland, N. For the Week.	9. From Dec. 30, 1917.	10. Ireland, S. For the Week.	10. From Dec. 30, 1917.	Means for Western Districts For the Week.	Means for Western Districts From Dec. 30, 1917.	11. English Channel. For the Week.	11. From Dec. 30, 1917.	Means for Districts 1-10 combined. For the Week.	Means for Districts 1-10 combined. From Dec. 30, 1917.
	1918.																
1	Dec. 30-Jan. 5	2	2	2	2	1	1	2	2	1	1	2	2	2	2	3	3
2	Jan. 6-12 -	6	8	6	8	5	6	6	8	4	5	5	7	7	9	4	7
3	13-19 -	5	13	5	13	7	13	6	14	6	11	6	13	6	15	6	13
4	Jan. 20-26 -	7	20	5	18	5	18	7	21	6	17	6	19	4	19	5	18
5	Jan. 27-Feb. 2	4	24	2	20	2	20	4	25	6	23	3	22	2	21	2	20
6	Feb. 3-9 -	7	31	6	26	6	26	7	32	7	30	7	29	5	26	7	27
7	10-16 -	5	36	4	30	3	29	5	37	5	35	4	33	3	29	3	30
8	17-23 -	7	43	4	34	3	32	6	43	6	41	5	38	3	32	4	34
9	Feb. 24-Mar. 2	4	47	4	38	4	36	4	47	4	45	4	42	5	37	4	38
	Winter Totals	66		51		46		67		62		58		49		53	
10	Mar. 3-9 -	2	49	2	40	1	37	1	48	3	48	2	44	4	41	2	40
11	10-16 -	2	51	2	42	2	39	3	51	4	52	3	47	1	42	3	43
12	17-23 -	3	54	2	44	2	41	2	53	3	55	2	49	4	46	2	45
13	Mar. 24-30 -	4	58	4	48	4	45	4	57	4	59	4	53	3	49	4	49
14	Mar. 31-Apl. 6	4	62	5	53	6	51	5	62	5	64	5	58	5	54	4	53
15	April 7-13 -	3	65	4	57	3	54	5	67	4	68	4	62	3	57	5	58
16	14-20 -	2	67	2	59	4	58	2	69	2	70	2	64	3	60	3	61
17	April 21-27 -	0	67	1	60	1	59	1	70	1	71	1	65	1	61	2	63
18	April 28-May 4	2	69	2	62	3	62	3	73	3	74	3	68	5	66	2	65
19	May 5-11 -	4	73	3	65	2	64	4	77	3	77	3	71	2	68	3	68
20	12-18 -	5	78	3	68	4	68	5	82	5	82	4	75	4	72	4	72
21	19-25 -	4	82	4	72	3	71	4	86	4	86	4	79	2	74	3	75
22	May 26-June 1	1	83	1	73	1	72	1	87	0	86	1	80	1	75	1	76
	Spring Totals	36		35		36		40		41		38		38		38	
23	June 2-8 -	2	85	2	75	1	73	3	90	2	88	2	82	1	76	2	78
24	9-15 -	5	90	3	78	3	76	5	95	4	92	4	86	4	80	3	81
25	16-22 -	6	96	6	84	3	79	6	101	5	97	5	91	3	83	4	85
26	June 23-29 -	2	98	2	86	1	80	3	104	2	99	2	93	1	84	2	87
27	June 30-July 6	2	100	1	87	0	80	1	105	1	100	1	94	0	84	1	88
28	July 7-13 -	6	106	5	92	5	85	6	111	7	107	6	100	5	89	6	94
29	14-20 -	7	113	7	99	7	92	6	117	6	113	7	107	7	96	6	100
30	July 21-27 -	5	118	6	105	6	98	5	122	5	118	5	112	4	100	6	106
31	July 28-Aug. 3	1	119	1	106	3	101	3	125	4	122	2	114	3	103	2	108
32	Aug. 4-10 -	4	123	3	109	4	105	4	129	4	126	4	118	4	107	3	111
33	11-17 -	6	129	3	112	2	107	5	134	4	130	4	122	1	108	3	114
34	18-24 -	5	134	3	115	3	110	6	140	4	134	4	126	2	110	3	117
35	Aug. 25-31 -	6	140	5	120	4	114	5	145	4	138	5	131	4	114	5	122
	Summer Totals	57		47		42		58		52		51		39		46	
36	Sept. 1-7 -	3	143	5	125	5	119	4	149	5	143	4	135	5	119	4	126
37	8-14 -	6	149	7	132	7	126	7	156	7	150	7	142	6	125	7	133
38	15-21 -	7	156	7	139	7	133	7	163	6	156	7	149	5	130	6	139
39	Sept. 22-28 -	7	163	7	146	6	139	7	170	7	163	7	156	6	136	6	145
40	Sept. 29-Oct. 5	6	169	6	152	6	145	7	177	6	169	6	162	5	141	6	151
41	Oct. 6-12 -	6	175	5	157	6	151	6	183	6	175	6	168	7	148	6	157
42	13-19 -	6	181	6	163	5	156	6	189	4	179	5	173	5	153	5	162
43	Oct. 20-26 -	4	185	2	165	4	160	3	192	3	182	3	176	5	158	3	165
44	Oct. 27-Nov. 2	6	191	4	169	6	166	7	199	6	188	6	182	6	164	5	170
45	Nov. 3-9 -	6	197	5	174	5	171	6	205	6	194	6	188	5	169	5	175
46	10-16 -	2	199	1	175	2	173	2	207	2	196	2	190	1	170	2	177
47	17-23 -	3	202	1	176	2	175	2	209	2	198	2	192	2	172	1	178
48	Nov. 24-30 -	6	208	6	182	6	181	6	215	6	204	6	198	7	179	6	184
	Autumn Totals	68		62		67		70		66		67		65		62	
49	Dec. 1-7 -	7	215	5	187	6	187	6	221	6	210	6	204	6	185	6	190
50	8-14 -	6	221	5	192	6	193	6	227	6	216	6	210	5	190	5	195
51	15-21 -	6	227	6	198	6	199	6	233	6	222	6	216	6	196	6	201
52	Dec. 22-28 -	6	233	6	204	5	205	6	239	5	227	6	222	7	203	6	207

NOTE.—The "day" for rainfall is from 9 h. on the civil day named till 9 h. the following morning.
A "rain-day" is a day on which the precipitation during this period amounts to 0·2 mm. or more

(22609—19.) Wt. 199—789/476. 625. 5/19. D & S. G. 17/ 38. [L]

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF **RAINFALL** IN EACH DISTRICT DURING THE YEAR 1918.

1918.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.
		RAINFALL IN MILLIMETRES—1918.																													
	1918.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	Dec. 30-Jan. 5	9	9	2	2	6	6	2	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	4	4	2	2
2	Jan. 6-12 -	36	45	18	20	10	16	8	10	6	8	6	8	9	12	25	27	16	17	13	14	19	20	6	7	16	17	15	19	13	15
3	13-19 -	42	87	21	41	29	45	50	60	46	54	71	79	44	56	39	66	38	55	86	100	30	50	50	57	48	65	34	53	46	61
4	Jan. 20-26 -	43	130	34	75	13	58	4	64	7	61	9	88	13	69	55	121	19	74	14	114	26	76	31	88	29	94	6	59	21	82
5	Jan. 27-Feb. 2	24	154	4	79	4	62	2	66	4	65	2	90	3	72	12	133	4	78	7	121	13	89	38	126	15	109	2	61	9	91
6	Feb. 3-9 -	44	198	11	90	13	75	8	74	24	89	12	102	14	86	32	165	32	110	31	152	33	122	42	168	34	143	11	72	24	115
7	10-16 -	23	221	15	105	7	82	5	79	6	95	3	105	7	93	45	210	20	130	7	159	28	150	19	187	24	167	5	77	15	130
8	17-23 -	72	293	22	127	6	88	3	82	5	100	4	109	8	101	56	266	23	153	9	168	30	180	32	219	30	197	3	80	19	149
9	Feb. 24-Mar. 2	45	338	19	146	8	96	8	90	6	106	9	118	10	111	15	281	9	162	14	182	12	192	9	228	12	209	18	98	11	160
	Winter Totals	441		189		134		116		129		160		146		366		204		213		249		289		264		144		205	
10	Mar. 3-9 -	6	344	6	152	5	101	5	95	2	108	3	121	4	115	6	287	2	164	4	186	2	194	11	239	5	214	11	109	5	165
11	10-16 -	7	351	2	154	1	102	1	96	2	110	1	122	2	117	6	293	3	167	5	191	6	200	7	246	5	219	1	110	3	168
12	17-23 -	13	364	1	155	2	104	1	97	4	114	3	125	2	119	8	301	5	172	6	197	3	203	6	252	6	225	8	118	4	172
13	Mar. 24-30 -	25	389	16	171	11	115	12	109	17	131	17	142	15	134	26	327	17	189	24	221	24	227	35	287	25	250	18	136	20	192
14	Mar. 31-Apl. 6	19	408	7	178	15	130	10	119	16	147	15	157	12	146	14	341	17	206	24	245	14	241	20	307	18	268	11	147	15	207
15	April 7-13 -	10	418	7	185	10	140	4	123	10	157	9	166	8	154	12	353	8	214	9	254	17	258	17	324	13	281	6	153	11	218
16	14-20 -	5	423	10	195	11	151	54	177	25	182	30	196	26	180	5	358	7	221	22	276	3	261	4	328	8	289	14	167	17	235
17	April 21-27 -	2	425	1	196	1	152	8	185	5	187	9	205	5	185	0	358	1	222	2	278	1	262	1	329	1	290	3	170	3	238
18	April 28-May 4	2	427	8	204	9	161	6	191	11	198	13	218	9	194	12	370	15	237	7	285	14	276	24	353	14	304	17	187	11	249
19	May 5-11 -	14	441	25	229	18	179	10	201	12	210	16	234	16	210	13	383	10	247	11	296	11	287	7	360	11	315	12	199	14	263
20	12-18 -	18	459	6	235	16	195	12	213	10	220	9	243	11	221	15	398	9	256	10	306	10	297	13	373	11	326	17	216	11	274
21	19-25 -	12	471	20	255	15	210	16	229	26	246	5	248	17	238	29	427	34	290	16	322	23	320	16	389	24	350	16	232	20	294
22	May 26-June 1	5	476	1	256	1	211	0	229	0	246	0	248	0	238	1	428	0	290	0	322	1	321	0	389	0	350	0	232	0	294
	Spring Totals	138		110		115		139		140		130		127		147		128		140		129		161		141		134		134	
23	June 2-8 -	16	492	4	260	4	215	0	229	3	249	0	248	2	240	14	442	13	303	3	325	11	332	11	400	11	361	1	233	6	300
24	9-15 -	34	526	10	270	1	216	5	234	7	256	10	258	7	247	14	456	11	314	12	337	13	345	8	408	11	372	5	238	9	309
25	16-22 -	22	548	10	280	6	222	12	246	11	267	13	271	10	257	18	474	17	331	16	353	15	360	22	430	18	390	9	247	14	323
26	June 23-29 -	4	552	5	285	4	226	8	254	3	270	2	273	5	262	2	476	4	335	1	354	4	364	2	432	2	392	2	249	4	327
27	June 30-July 6	5	557	1	286	1	227	0	254	0	270	0	273	0	262	4	480	0	335	0	354	1	365	0	432	1	393	0	249	1	328
28	July 7-13 -	37	594	17	303	14	241	21	275	23	293	35	308	22	284	22	502	17	352	34	388	24	389	35	467	27	420	17	266	24	352
29	14-20 -	39	633	58	361	44	285	46	321	38	331	33	341	44	328	40	542	52	404	35	423	19	408	27	494	34	454	44	310	39	391
30	July 21-27 -	35	668	38	399	27	312	27	348	24	355	45	386	32	360	28	570	27	431	39	462	27	435	32	526	31	485	17	327	32	423
31	July 28-Aug. 3	0	668	1	400	6	318	19	367	13	368	17	403	11	371	0	570	4	435	25	487	10	445	27	553	13	498	30	357	12	435
32	Aug. 4-10 -	15	683	10	410	18	336	7	374	10	378	10	413	11	382	20	590	19	454	13	500	26	471	18	571	19	517	12	369	15	450
33	11-17 -	33	716	12	422	3	339	1	375	2	380	1	414	4	386	23	613	7	461	4	504	17	488	9	580	12	529	1	370	8	458
34	18-24 -	62	778	17	439	2	341	1	376	1	381	2	416	5	391	22	635	9	470	7	511	12	500	8	588	12	541	2	372	8	466
35	Aug. 25-31 -	36	814	27	466	17	358	14	390	25	406	12	428	19	410	35	670	32	502	24	535	19	519	15	603	25	566	12	384	22	488
	Summer Totals	338		210		147		161		160		180		172		242		212		213		198		214		216		152		194	
36	Sept. 1-7 -	27	841	12	478	17	375	21	411	36	442	25	453	22	432	10	680	31	533	34	569	18	537	39	642	26	592	27	411	24	512
37	8-14 -	29	870	26	504	32	407	26	437	44	486	40	493	33	465	30	710	56	589	60	629	27	564	43	685	43	635	34	445	38	550
38	15-21 -	39	909	54	558	48	455	35	472	50	536	41	534	46	511	86	796	81	670	54	683	62	626	62	747	69	704	34	479	58	608
39	Sept. 22-28 -	57	966	19	577	12	467	7	479	12	548	19	553	14	525	44	840	35	705	25	708	32	658	21	768	32	736	20	499	23	631
40	Sept. 29-Oct. 5	43	1009	24	601	15	482	36	515	29	577	28	581	26	551	70	910	38	743	45	753	47	705	52	820	50	786	20	519	38	669
41	6-12 -	77	1086	24	625	16	498	24	539	16	593	21	602	20	571	53	963	30	773	30	783	42	747	37	857	38	824	28	547	29	698
42	13-19 -	14	1100	23	648	18	516	12	551	9	602	10	612	15	586	19	982	17	790	14	797	11	758	9	866	14	838	31	578	14	712
43	Oct. 20-26 -	14	1114	4	652	5	521	8	559	5	607	10	622	6	592	7	989	3	793	6	803	5	763	4	870	5	843	17	595	6	718
44	Oct. 27-Nov. 2	34	1148	21	673	6	527	4	563	9	616	18	640	12	604	44	1033	16	809	25	828	35	798	44	914	33	876	18	613	22	740
45	Nov. 3-9 -	86	1234	29	702	17	544	27	590	22	638	32	672	25	629	61	1094	17	826	31	859	46	844	28	942	37	913	24	637	31	771
46	10-16 -	10	1244	4	706	1	545	2	592	1	639	2	674	2	631	11	1105	9	835	4	863	5	849	7	949	7	920	0	637	5	776
47	17-23 -	6	1250	2	708	1	546	1	593	1	640	1	675	1	632	10	1115	1	836	2	865	6	855	10	959	6	926	3	640	3	779
48	Nov. 24-30 -	18	1268	8	716	11	557	13	606	13	653	14	689	12	644	37	1152	23	859	25	890	19	874	18	977	25	951	39	679	19	798
	Autumn Totals	454		250		199		216		247		261		234		482		357		355		355		374		385		295		310	
49	Dec. 1-7 -	28	1296	10	726	10	567	10	616	15	668	9	698	11	655	40	1192	25	884	28	918	22	896	37	1014	30	981	17	696	20	818
50	8-14 -	47	1343	12	738	5	572	18	634	16	684	22	720	15	670	22	1214	16	900	38	956	18	914	37	1051	26	1007	23	719	21	839
51	15-21 -	20	1363	10	748	27	599	20	654	26	710	14	734	19	689	41	1255	50	950	40	996	33	947	44	1095	42	1049	30	749	30	869
52	Dec. 22-28 -	39	1402	20	768	20	619	21	675	21	731	13	747	19	708	44	1299	46	996	37	1033	41	988	23	1118	38	1087	31	780	29	898

NOTE.—The Rainfall week is from 9 h on one Sunday morning to the same hour on the next.

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1918.

1918.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
Weeks.																															
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.
DAY-DEGREES ABOVE 42° FAHRENHEIT—1918.																															
1918.																															
1	Dec. 30-Jan. 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	2	2	0	0	1	1	0	0	1	1
2	Jan. 6-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	1	7	7	0	1
3	13-19	0	0	0	0	0	0	0	0	0	0	10	10	2	2	0	3	0	0	0	0	11	11	0	2	8	8	4	5	30	37	3	4
4	Jan. 20-26	10	10	11	11	33	33	34	34	44	44	36	46	32	34	20	23	46	46	43	54	37	39	48	56	39	44	46	83	35	39
5	Jan. 27-Feb. 2	40	50	27	38	8	41	8	42	14	58	14	60	14	48	27	50	32	78	28	82	50	89	53	109	38	82	33	116	26	65
6	Feb. 3-9	20	70	23	61	29	70	31	73	32	90	31	91	29	77	21	71	34	112	39	121	26	115	41	150	32	114	45	161	31	96
7	10-16	10	80	7	68	17	87	21	94	23	113	21	112	18	95	18	89	21	133	33	154	28	143	46	196	29	143	38	197	23	119
8	17-23	12	92	13	81	13	100	16	110	15	128	13	125	14	109	18	107	20	153	25	179	25	168	31	227	24	167	26	223	19	138
9	Feb. 24-Mar. 2	2	94	5	86	10	110	12	122	10	138	11	136	9	118	8	115	8	161	9	188	10	178	15	242	10	177	19	242	10	148
	Winter Totals	104		87		115		133		147		151		127		127		173		207		207		285		200		300		164	
10	Mar. 3-9	3	97	0	86	0	110	3	125	1	139	7	143	2	120	0	115	3	164	7	195	4	182	10	252	5	182	21	263	4	152
11	10-16	22	119	16	102	26	136	32	157	32	171	37	180	29	149	18	133	23	187	28	223	26	208	30	282	25	207	35	298	27	179
12	17-23	30	149	40	142	52	188	60	217	59	230	54	234	53	202	35	168	44	231	44	267	49	257	53	335	45	252	40	338	49	228
13	Mar. 24-30	11	160	17	159	27	215	32	249	38	268	38	272	31	233	27	195	31	262	40	307	36	293	47	382	36	288	39	377	33	261
14	Mar. 31-Apl. 6	15	175	18	177	26	241	37	286	36	304	35	307	30	263	28	223	29	291	32	339	29	322	32	414	30	318	48	425	30	291
15	April 7-13	12	187	15	192	18	259	25	311	26	330	34	341	24	287	26	249	26	317	32	371	23	345	26	440	26	344	47	472	25	316
16	14-20	12	199	8	200	5	264	4	315	6	336	8	349	6	293	20	269	11	328	11	382	28	373	35	475	21	365	19	491	13	329
17	April 21-27	45	244	44	244	39	303	40	355	56	392	48	397	45	338	59	328	54	382	52	434	54	427	56	531	55	420	50	541	50	379
18	April 28-May 4	29	273	18	262	25	328	35	390	46	438	46	443	34	372	38	366	41	423	46	480	43	470	55	586	45	465	56	597	40	419
19	May 5-11	42	315	36	298	45	373	57	447	65	503	69	512	54	426	64	430	60	483	69	549	59	529	73	659	65	530	69	666	59	478
20	12-18	57	372	65	363	92	465	91	541	97	600	99	611	90	516	64	494	86	569	83	632	71	600	83	742	77	607	92	758	83	561
21	19-25	79	451	104	467	123	588	115	656	127	727	129	740	120	636	102	596	113	682	109	741	92	692	104	846	104	711	125	883	112	673
22	May 26-June 1	71	522	92	559	102	690	95	751	109	836	102	842	100	736	96	692	98	780	108	850	95	787	102	948	100	811	107	990	100	773
	Spring Totals	428		473		580		629		698		706		617		577		619		662		609		706		631		748		626	
23	June 2-8	76	598	84	643	96	786	89	840	102	938	100	942	94	830	104	796	107	887	112	962	118	905	124	1072	113	924	117	1107	104	877
24	9-15	55	653	69	712	88	874	100	940	91	1029	101	1043	90	920	72	868	81	968	88	1050	74	979	91	1163	81	1005	102	1209	85	962
25	16-22	48	701	54	766	75	949	86	1026	78	1107	92	1135	77	997	64	932	72	1040	82	1132	66	1045	81	1244	73	1078	90	1299	75	1037
26	June 23-29	57	758	68	834	81	1030	81	1107	86	1193	89	1224	81	1078	76	1008	81	1121	83	1215	78	1123	91	1335	82	1160	102	1401	81	1118
27	June 30-July 6	81	839	102	936	116	1146	126	1233	129	1322	130	1354	121	1199	103	1111	114	1235	132	1347	99	1222	123	1458	114	1274	132	1533	118	1236
28	July 7-13	67	906	77	1013	102	1248	118	1349	108	1430	118	1472	104	1303	82	1193	92	1327	104	1449	85	1307	95	1553	92	1366	120	1653	98	1334
29	14-20	97	1003	110	1123	138	1386	144	1493	137	1567	139	1611	134	1437	123	1316	130	1457	127	1576	115	1422	121	1674	123	1489	142	1795	128	1462
30	July 21-27	90	1093	97	1220	114	1500	127	1620	117	1684	127	1738	116	1553	105	1421	111	1568	118	1694	103	1525	116	1790	111	1600	129	1924	114	1576
31	July 28-Aug. 3	99	1192	93	1313	113	1613	124	1744	137	1821	138	1876	121	1674	123	1544	132	1700	130	1824	126	1651	134	1924	129	1729	147	2071	125	1701
32	Aug. 4-10	109	1301	118	1431	129	1742	130	1874	133	1954	132	2008	128	1802	127	1671	129	1829	126	1950	118	1769	123	2047	125	1854	131	2202	126	1827
33	11-17	99	1400	113	1544	134	1876	141	2015	136	2090	141	2149	135	1937	116	1787	128	1957	130	2080	116	1885	126	2173	123	1977	145	2347	129	1956
34	18-24	86	1486	104	1648	147	2023	164	2179	154	2244	154	2503	145	2082	111	1898	136	2093	135	2215	117	2002	132	2305	126	2103	152	2499	136	2092
35	Aug. 25-31	74	1560	84	1732	101	2124	110	2289	101	2345	112	2415	102	2184	98	1996	104	2197	105	2320	96	2098	109	2414	102	2205	125	2624	102	2194
	Summer Totals	1038		1173		1434		1538		1509		1573		1446		1304		1417		1472		1311		1466		1394		1634		1420	
36	Sept 1-7	46	1606	57	1789	83	2207	101	2390	90	2435	117	2532	89	2273	69	2065	85	2282	106	2426	78	2176	92	2506	86	2291	138	2762	87	2281
37	8-14	41	1647	45	1834	72	2279	90	2480	81	2516	99	2631	77	2350	60	2125	76	2358	90	2516	62	2238	76	2582	73	2364	110	2872	75	2356
38	15-21	34	1681	39	1873	88	2367	113	2593	95	2611	116	2747	90	2440	55	2180	85	2443	104	2620	63	2301	85	2667	78	2442	125	2997	84	2440
39	Sept. 22-28	34	1715	40	1913	61	2428	73	2666	65	2676	78	2825	63	2503	52	2232	67	2510	71	2691	52	2353	65	2732	61	2503	95	3092	62	2502
40	Sept. 29-Oct. 5	35	1750	39	1952	45	2473	43	2709	42	2718	48	2873	43	2546	43	2275	48	2558	46	2737	41	2394	48	2780	45	2548	71	3163	44	2546
41	Oct. 6-12	36	1786	41	1993	58	2531	61	2770	57	2775	71	2944	58	2604	45	2320	57	2615	66	2803	43	2437	53	2833	53	2601	85	3248	56	2602
42	13-19	32	1818	34	2027	34	2565	37	2807	37	2812	41	2985	37	2641	39	2359	37	2652	39	2842	36	2473	39	2872	38	2639	62	3310	37	2639
43	Oct. 20-26	23	1841	25	2052	33	2598	36	2843	23	2845	53	3038	36	2677	33	2392	34	2686	43	2885	32	2505	40	2912	36	2675	73	3383	36	2675
44	Oct. 27-Nov. 2	35	1876	38	2090	65	2663	65	2908	64	2909	76	3114	61	2738	52	2444	68	2754	70	2955	41	2546	55	2967	57	2732	85	3468	60	2735
45	Nov. 3-9	22	1898	15	2105	30	2693	34	2942	34	2943	38	3152	30	2768	28	2472	33	2787	38	2993	29	2575	37	3004	33	2765	55	3523	31	2766
46	10-16	14	1912	11	2116	16	2709	29	2971	14	2957	30	3182	20	2788	15	2487	15	2802	25	3018	29	2604	39	3043	25	2790	46	3569	23	2789
47	17-23	7	1919	0	2116	0	2709	7	2978	0	2957	10	3192	3	2791	4	2491	3	2805	11	3029	14	2618	26	3069	12	2802	24	3593	7	2796
48	Nov. 24-30	19	1938	12	2128	17	2726	21	2999	26	2983	30	3222	21	2812	23	2514	25	2830	34	3063	31	2649	37	3106	30	2832	60	3653	26	2822
	Autumn Totals	378		396		602		710		638		807		630		518		633		743		551		692		627		1029		628	
49	Dec. 1-7	42	1980	39	2167	51	2777	47	3046	55	3038	57	3279	50	2862	53	2567	57	2887	60	3123	60	2709	66	3172	59	2891	69	3722	54	2876
50	8-14	23	2003	27	2194	33	2810	39	3085	39	3077	50	3329	37	2899	31	2598	39	2926	51	3174	39	2748	50	3222	42	2933	70	3792	40	2916
51	15-21	0	2003	0	2194	1	2811	9	3094	8	3085	22	3351	8	2907	0	2598	8	2934	25	3199	8	2756	23	3245	13	2946	44	3836	11	2927
52	Dec. 22-28	0	2003	0	2194	6	2817	13	3107	13	3098	18	3369	10	2917	5	2603	13	2947	28	3227	24	2780	29	3274	20	2966	33	3869	15	2942

NOTE.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED COLD BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1918.

1918.		0. Scotland, N.		Eastern Districts.										Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
Week.	Limiting Dates of each Week.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.
	DAY-DEGREES BELOW 42° FAHRENHEIT—1918.																												
	1918.																												
1	Dec. 30-Jan. 5	32	32	37	37	41	41	58	58	53	53	60	60	50	50	39	39	35	35	55	55	30	30	34	34	39	39	32	32	45	45
2	Jan. 6-12	86	118	86	123	64	105	63	121	58	111	50	110	64	114	53	92	46	81	38	93	41	71	37	71	43	82	25	57	53	98
3	13-19	111	229	123	246	69	174	41	162	45	156	35	145	63	177	85	177	45	126	31	124	59	130	36	107	51	133	1	58	57	155
4	Jan. 20-26	22	251	22	268	0	174	0	162	0	156	0	145	4	181	1	178	0	126	0	124	0	130	0	107	0	133	0	58	2	157
5	Jan. 27-Feb. 2	0	251	2	270	27	201	37	199	31	187	29	174	25	206	0	178	5	131	2	126	0	130	0	107	1	134	0	58	13	170
6	Feb. 3-9	6	257	8	278	4	205	2	201	0	187	0	174	3	209	0	178	0	131	0	126	1	131	0	107	0	134	0	58	2	172
7	10-16	19	276	20	298	4	209	3	204	0	187	0	174	5	214	3	181	0	131	0	126	0	131	0	107	1	135	0	58	3	175
8	17-23	25	301	24	322	28	237	38	242	37	224	34	208	32	246	10	191	11	142	13	139	11	142	9	116	11	146	7	65	21	196
9	Feb. 24-Mar. 2	37	338	34	356	25	262	28	270	27	251	26	234	28	274	28	219	21	163	21	160	27	169	23	139	24	170	7	72	26	222
	Winter Totals	484		537		427		469		452		417		469		361		293		305		282		247		298		121		379	
10	Mar. 3-9	33	371	48	404	31	293	29	299	33	284	25	259	33	307	32	251	27	190	26	186	32	201	28	167	29	199	13	85	31	253
11	10-16	14	385	32	436	17	310	20	319	16	300	18	277	21	328	17	268	14	204	9	195	16	217	11	178	13	212	0	85	17	270
12	17-23	6	391	13	449	8	318	18	337	18	318	16	293	15	343	6	274	9	213	11	206	3	220	0	178	6	218	1	86	11	281
13	Mar. 24-30	24	415	28	477	15	333	17	354	17	335	14	307	18	361	17	291	14	227	10	216	13	233	11	189	13	231	0	86	15	296
14	Mar. 31-April 6	22	437	27	504	12	345	14	368	14	349	8	315	15	376	15	306	9	236	6	222	10	243	3	192	9	240	0	86	12	308
15	April 7-13	18	455	26	530	8	353	10	378	9	358	6	321	12	388	9	315	4	240	4	226	8	251	4	196	6	246	0	86	9	317
16	14-20	33	488	36	566	20	373	22	400	25	383	24	345	25	413	36	351	22	262	22	248	14	265	14	210	22	268	5	91	24	341
17	April 21-27	15	503	21	587	11	384	10	410	11	394	8	353	12	425	13	364	10	272	8	256	9	274	7	217	9	277	0	91	10	351
18	April 28-May 4	11	514	25	612	6	390	1	411	7	401	0	353	8	433	10	374	8	280	0	256	3	277	0	217	4	281	0	91	6	357
19	May 5-11	0	514	5	617	4	394	0	411	1	402	0	353	2	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	1	358
20	12-18	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
21	19-25	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
22	May 26-June 1	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
	Spring Totals	176		261		132		141		151		119		161		155		117		96		108		78		111		19		136	
23	June 2-8	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
24	9-15	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
25	16-22	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
26	June 23-29	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
27	June 30-July 6	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
28	July 7-13	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
29	14-20	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
30	July 21-27	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	558
31	July 28-Aug. 3	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
32	Aug. 4-10	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
33	11-17	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
34	18-24	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
35	Aug. 25-31	0	514	0	617	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
	Summer Totals	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
36	Sept. 1-7	0	514	2	619	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
37	8-14	0	514	2	621	0	394	0	411	0	402	0	353	0	435	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	358
38	15-21	5	519	5	626	0	394	0	411	0	402	0	353	1	436	0	374	0	280	0	256	0	277	0	217	0	281	0	91	1	359
39	Sept. 22-28	4	523	3	629	0	394	0	411	0	402	0	353	1	437	0	374	0	280	0	256	0	277	0	217	0	281	0	91	0	359
40	Sept. 29-Oct. 5	2	525	4	633	0	394	5	416	3	405	4	357	3	440	0	374	0	280	0	256	0	277	0	217	0	281	0	91	1	360
41	Oct. 6-12	3	528	3	636	0	394	0	416	0	405	0	357	1	441	0	374	0	280	0	256	0	277	0	217	0	281	0	91	1	361
42	13-19	1	529	7	643	4	398	3	419	7	412	5	362	5	446	4	378	0	280	4	260	4	281	2	219	3	284	0	91	4	365
43	Oct. 20-26	5	534	9	652	0	398	0	419	3	415	0	362	2	448	8	386	3	283	0	260	2	283	10	229	5	289	0	91	4	369
44	Oct. 27-Nov. 2	5	539	0	652	0	398	0	419	0	415	0	362	0	448	0	386	0	283	0	260	0	283	0	229	0	289	0	91	0	369
45	Nov. 3-9	14	553	26	678	14	412	10	429	20	435	9	371	16	464	11	397	10	293	13	273	14	297	14	243	12	301	0	91	14	383
46	10-16	28	581	37	715	28	440	18	447	36	471	11	382	26	490	25	422	25	318	4	277	8	305	0	243	12	313	0	91	19	402
47	17-23	26	607	51	766	37	477	36	483	42	513	30	412	39	529	34	456	34	352	26	303	23	328	16	259	27	340	6	97	33	435
48	Nov. 24-30	9	616	26	792	9	486	9	492	12	525	6	418	13	542	8	464	8	360	0	303	6	334	1	260	4	344	0	97	8	443
	Autumn Totals	102		175		92		81		123		65		107		90		80		47		57		43		63		6		85	
49	Dec. 1-7	0	616	0	792	0	486	0	492	0	525	0	418	0	542	0	464	0	360	0	303	0	334	0	260	0	344	0	97	0	443
50	8-14	6	622	12	804	4	490	0	492	2	527	0	418	4	546	1	465	0	360	0	303	0	334	0	260	0	344	0	97	2	445
51	15-21	39	661	52	856	27	517	21	513	22	549	6	424	26	572	20	494	20	380	4	307	24	358	12	272	18	362	0	97	22	467
52	Dec. 22-28	39	700	46	902	34	551	35	548	34	583	31	455	36	608	30	524	25	405	13	320	14	572	11	283	19	381	0	97	28	495

NOTE.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1918.

1918.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Weeks. Limiting Dates of each Week.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.
	Numbers of Hours of Bright Sunshine—1918.																														
	1918.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Dec. 30-Jan. 5	1	1	9	9	6	6	10	10	7	7	11	11	9	9	15	15	10	10	15	15	8	8	8	8	11	11	13	13	10	10
2	Jan. 6-12 -	2	3	11	20	12	18	12	22	11	18	11	22	11	20	8	23	9	19	10	25	8	16	17	25	10	21	14	27	11	21
3	13-19 -	9	12	8	28	12	30	9	31	7	25	8	30	9	29	7	30	8	27	9	34	5	21	4	29	7	28	16	43	8	29
4	Jan. 20-26 -	0	12	2	30	8	38	11	42	7	32	13	43	8	37	3	33	6	33	6	40	1	22	3	32	4	32	16	59	6	35
5	Jan. 27-Feb. 2	7	19	14	44	18	56	19	61	19	51	32	75	21	58	9	42	22	55	27	67	11	33	7	39	15	47	38	97	17	52
6	Feb. 3-9 -	10	29	17	61	12	68	13	74	9	60	6	81	11	69	14	56	12	67	11	78	18	51	16	55	14	61	15	112	13	65
7	10-16 -	10	39	7	68	8	76	14	88	6	66	12	93	9	78	3	59	3	70	5	83	0	51	3	58	3	64	16	128	6	71
8	17-23 -	11	50	18	86	21	97	29	117	19	85	28	121	23	101	6	65	10	80	14	97	7	58	8	66	9	73	27	155	16	87
9	Feb. 24-Mar. 2	17	67	21	107	29	126	34	151	28	113	29	150	28	129	22	87	24	104	27	124	22	80	27	93	25	98	25	180	26	113
	Winter Totals	83		149		173		209		155		212		179		123		140		188		112		131		139		238		159	
10	Mar. 3-9 -	26	93	10	117	11	137	23	174	12	125	23	173	16	145	9	96	18	122	25	149	12	92	11	104	15	113	29	209	15	128
11	10-16 -	29	122	21	138	18	155	27	201	15	140	41	214	24	169	21	117	17	139	18	167	23	115	27	131	21	134	29	238	23	151
12	17-23 -	11	133	22	160	41	196	47	248	40	180	39	253	38	207	23	140	38	177	36	203	45	160	48	179	36	172	41	279	38	189
13	Mar. 24-30 -	10	143	19	179	18	214	22	270	25	205	30	283	23	230	26	166	33	210	45	248	34	194	43	222	36	208	45	324	29	218
14	Mar. 31-Apr. 6	34	177	27	206	22	236	30	300	25	230	31	314	27	257	26	192	24	234	28	276	34	228	26	248	28	236	42	366	28	246
15	April 7-13 -	19	196	15	221	10	246	19	319	10	240	25	339	16	273	19	211	13	247	24	300	15	243	13	261	17	253	49	415	16	262
16	14-20 -	25	221	29	250	17	263	13	332	10	250	15	354	17	290	51	262	27	274	24	324	44	287	49	310	39	292	16	431	28	290
17	April 21-27 -	59	280	52	302	52	315	41	373	49	299	35	389	46	336	67	329	69	343	66	390	71	358	63	373	67	359	66	497	57	347
18	April 28-May 4	55	335	36	338	20	335	21	394	27	326	19	408	25	361	40	369	47	390	38	428	38	396	51	424	43	402	24	521	34	381
19	May 5-11 -	24	359	24	362	35	370	43	437	37	363	42	450	36	397	36	405	47	437	45	473	29	425	34	458	38	440	47	568	37	418
20	12-18 -	27	386	36	398	42	412	50	487	45	408	57	507	46	443	38	443	37	474	42	515	27	452	33	491	35	475	57	625	40	458
21	19-25 -	20	406	27	425	55	467	66	553	58	466	68	575	55	498	30	473	48	522	59	574	31	483	46	537	43	518	74	699	49	507
22	May 26-June 1	59	465	69	494	71	538	77	630	65	531	77	652	72	570	68	541	78	600	82	656	76	559	85	622	78	596	83	782	75	582
	Spring Totals	398		387		412		479		418		502		440		454		496		532		479		529		498		602		469	
23	June 2-8 -	63	528	73	567	62	600	64	694	61	592	67	719	65	635	79	620	82	682	78	734	65	624	68	690	74	670	83	865	70	652
24	9-15 -	23	551	40	607	47	647	50	744	46	638	45	764	46	681	37	657	36	718	53	787	34	658	47	737	41	711	52	917	44	696
25	16-22 -	30	581	29	636	36	683	44	788	30	668	43	807	36	717	25	682	19	737	36	823	23	681	29	766	26	737	49	966	31	727
26	June 23-29	20	601	37	673	41	727	49	837	45	713	61	868	47	764	54	736	54	791	65	888	43	724	41	807	52	789	78	1044	49	776
27	June 30-July 6	37	638	53	726	53	780	60	897	60	773	66	934	58	822	54	790	54	845	75	963	44	768	67	874	59	848	90	1134	58	834
28	July 7-13 -	26	664	32	760	45	825	47	944	46	819	51	985	44	866	33	823	45	890	60	1023	37	805	40	914	43	891	68	1202	44	878
29	14-20 -	34	698	42	802	42	867	36	980	27	846	24	1009	34	900	32	855	32	922	21	1044	30	835	42	956	31	922	34	1236	32	910
30	July 21-27 -	18	716	30	832	36	903	40	1020	38	884	47	1056	38	938	36	891	34	956	53	1097	34	869	50	1006	42	964	59	1295	40	950
31	July 28-Aug. 3	46	762	38	870	45	948	50	1070	45	929	47	1103	45	983	49	940	52	1008	49	1146	32	901	29	1035	42	1006	67	1362	43	993
32	Aug. 4-10 -	15	777	30	900	32	980	37	1107	35	964	41	1144	35	1018	29	969	31	1039	26	1172	20	921	23	1058	26	1032	39	1401	31	1024
33	11-17 -	25	802	35	935	48	1028	60	1167	46	1010	64	1208	51	1069	27	996	39	1078	57	1229	30	951	32	1090	37	1069	72	1473	44	1068
34	18-24 -	21	823	26	961	56	1084	55	1222	50	1060	50	1258	47	1116	28	1024	50	1128	40	1269	22	973	29	1119	34	1103	48	1521	40	1108
35	Aug. 25-31 -	19	842	20	981	21	1105	24	1246	18	1078	31	1289	23	1139	27	1051	22	1150	25	1294	24	997	22	1141	24	1127	43	1564	24	1132
	Summer Totals	377		485		567		616		547		637		570		510		550		638		438		519		531		782		550	
36	Sept. 1-7 -	25	867	31	1012	31	1136	34	1280	30	1108	44	1333	34	1173	28	1079	29	1179	34	1328	24	1021	30	1171	29	1156	51	1615	31	1163
37	8-14 -	33	900	36	1048	38	1174	39	1319	36	1144	37	1370	37	1210	36	1115	30	1209	33	1361	31	1052	28	1199	31	1187	41	1656	35	1198
38	15-21 -	21	921	21	1069	30	1204	39	1358	27	1171	38	1408	31	1241	20	1135	23	1232	24	1385	19	1071	28	1227	23	1210	32	1688	27	1225
39	Sept. 22-28 -	26	947	34	1103	39	1243	41	1399	37	1208	44	1452	39	1280	31	1166	31	1263	32	1417	33	1104	37	1264	33	1243	34	1722	36	1261
40	Sept. 29-Oct. 5	18	965	22	1125	22	1255	20	1419	19	1227	26	1478	22	1302	19	1185	18	1281	25	1442	20	1124	21	1285	20	1263	33	1758	21	1281
41	Oct. 6-12 -	20	985	24	1149	22	1287	17	1436	22	1249	18	1496	21	1323	22	1207	25	1306	28	1470	25	1149	30	1315	26	1289	26	1784	24	1306
42	13-19 -	18	1003	18	1167	9	1296	14	1450	15	1264	20	1516	15	1338	16	1223	19	1325	29	1499	18	1167	18	1333	20	1309	32	1816	17	1323
43	Oct. 20-26 -	7	1010	14	1181	15	1311	13	1463	11	1275	16	1532	14	1352	16	1239	17	1342	11	1510	7	1174	16	1349	13	1322	14	1830	14	1337
44	Oct. 27-Nov. 2	16	1026	5	1186	8	1319	7	1470	7	1282	10	1542	7	1359	5	1244	8	1350	6	1516	6	1180	4	1353	6	1328	12	1842	7	1344
45	Nov. 3-9 -	14	1040	22	1208	24	1343	22	1492	24	1306	18	1560	22	1381	22	1266	19	1369	32	1548	29	1209	29	1382	26	1354	27	1869	24	1368
46	10-16 -	13	1053	21	1229	19	1362	25	1517	21	1327	27	1587	23	1404	13	1279	22	1391	23	1571	20	1229	15	1397	19	1373	34	1903	21	1389
47	17-23 -	2	1055	16	1245	13	1375	17	1534	10	1337	19	1606	15	1419	8	1287	16	1407	16	1587	19	1248	11	1408	14	1387	22	1925	14	1403
48	Nov. 24-30 -	10	1065	9	1254	4	1379	4	1538	4	1341	6	1612	6	1425	11	1298	6	1413	6	1593	11	1259	8	1416	8	1395	7	1932	7	1410
	Autumn Totals	223		273		274		292		263		323		285		247		263		299		262		275		269		368		277	
49	Dec. 1-7 -	3	1068	3	1257	6	1385	6	1544	5	1346	4	1616	5	1430	1	1299	2	1415	3	1596	4	1263	5	1421	3	1398	5	1937	4	1414
50	8-14 -	7	1075	12	1269	5	1390	3	1547	5	1351	3	1619	6	1436	8	1307	6	1421	8	1604	18	1281	18	1439	12	1410	7	1944	9	1423
51	15-21 -	9	1084	11	1280	12	1402	11	1558	10	1361	14	1633	11	1447	5	1312	6	1427	12	1616	11	1292	11	1450	9	1419	15	1959	10	1433
52	Dec. 22-28 -	5	1089	12	1292	10	1412	10	1568	10	1371	12	1645	11	1458	13	1325	10	1437	11	1627	8	1300	11	1461	11	1430	13	1972	11	1444

NOTE.—The Duration of Bright Sunshine is taken from the records of the Campbell-Stokes Sunshine Recorder.

TABLE VI.—SHOWING FOR THE YEAR 1918 THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION**.

1918.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each week.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.	For the Week.	From Dec. 30, 1917.
	PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1918.																														
	1918.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Dec. 30-Jan. 5	3	3	20	20	11	11	19	19	14	14	19	19	17	17	30	30	19	19	27	27	15	15	16	16	21	21	23	23	19	19
2	Jan. 6-12 -	5	4	22	21	24	17	22	20	21	17	19	19	21	19	16	23	17	18	18	22	16	15	32	24	19	20	23	23	21	20
3	13-19 -	17	8	15	19	22	19	17	19	13	16	14	17	16	18	13	19	15	17	16	20	8	13	8	19	13	18	27	25	15	18
4	Jan. 20-26 -	0	7	4	15	15	18	18	19	13	15	21	18	14	17	4	15	10	15	10	18	2	10	4	15	7	15	26	25	11	16
5	Jan. 27-Feb. 2	12	8	25	17	30	21	32	22	30	18	51	25	35	21	16	16	37	20	44	23	18	12	11	14	25	17	59	32	28	19
6	Feb. 3-9 -	18	10	28	19	18	20	20	21	14	17	10	23	17	20	22	17	18	20	17	22	28	15	25	16	22	18	22	30	21	19
7	10-16 -	16	11	11	18	11	19	21	21	10	16	18	22	13	19	5	15	5	17	8	20	1	13	4	14	4	16	24	29	9	17
8	Feb. 17-23 -	16	12	26	19	30	20	42	24	27	18	40	24	33	21	8	14	14	17	20	20	10	12	12	14	13	15	35	30	23	18
9	Feb. 24-Mar. 2	24	13	29	20	40	23	45	27	38	21	39	26	38	24	30	16	33	19	36	22	30	15	37	17	34	18	33	31	35	21
	Winter Percentages.	11		21		22		26		20		27		23		17		18		24		15		17		18		29		21	
10	Mar. 3-9 -	35	16	13	19	14	22	30	27	15	20	29	27	21	23	12	16	23	19	32	23	16	15	14	16	20	18	38	32	20	20
11	10-16 -	36	18	26	20	22	22	33	28	19	20	51	29	30	24	26	17	21	20	22	23	28	16	33	18	26	19	36	32	28	21
12	17-23 -	13	18	26	21	49	25	56	31	48	23	46	31	45	26	28	18	45	22	42	25	54	20	57	22	45	22	49	34	45	24
13	Mar. 24-30 -	12	17	22	21	21	24	25	30	28	23	34	31	26	26	30	19	38	24	52	28	38	22	50	25	41	24	52	36	33	25
14	Mar. 31-Apl. 6	37	19	30	22	25	24	33	31	27	24	34	32	30	26	29	20	26	24	31	28	37	24	29	25	31	24	46	36	31	25
15	April 7-13 -	19	19	16	21	11	23	20	30	11	23	26	31	17	26	20	20	14	23	26	28	15	23	14	24	18	25	52	38	17	24
16	14-20 -	24	20	29	22	17	23	13	28	11	22	15	30	17	25	52	23	28	24	25	27	45	25	50	26	40	25	16	36	28	25
17	April 21-27 -	56	23	51	24	51	25	41	29	49	24	35	30	46	26	65	26	68	27	66	30	69	28	62	29	66	28	67	38	56	27
18	April 28-May 4	51	25	34	25	19	24	20	29	26	24	19	30	24	26	38	27	45	28	37	31	36	29	48	31	41	29	24	37	33	28
19	May 5-11 -	21	25	21	25	32	25	40	30	35	25	40	30	34	27	33	28	43	30	43	32	27	29	32	31	36	30	45	38	35	28
20	12-18 -	23	25	32	25	38	26	47	31	41	26	52	32	42	28	34	28	34	30	39	32	24	28	30	31	32	30	54	39	36	29
21	19-25 -	17	24	20	25	49	27	59	33	52	28	62	34	49	29	26	28	42	31	54	34	28	28	41	31	38	30	68	41	43	30
22	May 26-Jun. 1	49	26	58	27	62	30	68	35	57	29	69	36	63	31	58	30	68	33	74	36	66	31	75	34	68	33	75	43	66	32
	Spring Percentages.	30		29		32		37		32		39		34		35		38		42		37		41		39		48		36	
23	June 2-8 -	45	27	60	29	53	31	56	36	53	31	60	37	56	33	60	32	70	35	69	38	56	32	59	36	64	35	74	45	61	34
24	9-15 -	18	27	33	30	40	32	44	36	40	31	40	37	40	33	31	32	31	35	46	38	29	32	41	36	35	35	47	45	38	34
25	16-22 -	24	27	24	29	31	31	38	36	26	31	38	37	31	33	21	31	16	34	31	38	20	31	21	35	22	34	44	45	27	34
26	June 23-29 -	16	26	31	29	37	32	42	37	38	31	53	38	40	34	45	32	45	35	57	39	36	32	34	35	44	35	70	46	42	34
27	June 30-July 6	30	26	44	30	46	32	52	37	53	32	58	39	50	34	45	32	46	35	66	40	37	32	53	36	50	35	80	48	50	35
28	July 7-13 -	21	26	27	30	39	33	41	38	34	33	46	39	38	35	28	32	38	35	54	41	32	32	35	36	37	35	61	48	39	35
29	14-20 -	29	26	36	30	37	33	32	37	24	32	22	39	30	34	27	32	28	35	19	40	27	32	38	36	27	35	31	47	28	35
30	July 21-27 -	15	26	26	30	33	33	36	37	34	32	43	39	34	34	32	32	31	35	48	40	31	32	45	37	37	35	55	48	36	35
31	July 28-Aug. 3	41	26	34	30	41	33	47	38	41	33	44	39	42	35	44	33	48	35	46	41	29	32	33	36	39	35	64	48	40	35
32	Aug. 4-10 -	13	26	28	30	30	33	35	38	33	33	39	39	33	35	27	33	28	35	25	40	19	31	22	36	25	35	38	48	29	35
33	11-17 -	23	26	34	30	46	34	58	38	45	33	63	40	50	35	25	32	38	35	57	41	29	31	31	36	36	35	72	49	43	35
34	18-24 -	20	26	26	30	56	34	56	39	50	34	51	40	47	35	28	32	50	36	41	41	22	31	30	36	34	35	49	49	40	35
35	Aug. 25-31 -	19	25	20	30	21	34	25	39	19	33	32	40	24	35	28	32	22	35	27	40	25	30	28	35	25	35	45	49	25	35
	Summer Percentages.	24		33		39		43		38		45		40		34		38		45		30		36		37		56		38	
36	Sept. 1-7 -	26	25	33	30	33	34	37	38	32	33	49	40	37	35	30	32	31	35	37	40	25	31	32	35	31	35	55	49	33	35
37	8-14 -	37	26	39	30	42	34	44	39	40	33	42	40	41	35	40	32	33	35	37	40	37	31	32	35	34	35	46	49	39	35
38	15-21 -	24	26	24	30	35	34	45	39	32	33	45	40	36	35	23	32	27	35	28	40	22	30	32	35	27	34	38	49	32	35
39	Sept. 22-28 -	31	26	41	30	46	34	49	39	45	34	52	41	47	36	37	32	37	35	38	40	39	31	44	35	40	34	41	48	43	35
40	Sept. 29-Oct. 5	23	26	28	30	27	34	25	39	24	33	33	41	27	35	24	32	23	35	31	39	25	31	26	35	25	34	45	48	26	35
41	Oct. 6-12 -	27	26	32	30	29	34	22	38	29	33	23	40	28	35	29	32	33	35	37	39	32	31	39	35	34	34	34	48	32	35
42	13-19 -	26	26	25	30	13	34	19	38	20	33	27	40	21	35	22	32	27	34	39	39	25	30	25	35	27	34	43	47	23	35
43	Oct. 20-26 -	17	25	21	30	22	34	19	38	15	33	23	39	20	35	23	32	25	34	16	39	10	30	23	35	19	34	20	47	20	34
44	Oct. 27-Nov. 2	25	25	8	29	12	33	10	37	11	32	14	39	11	34	7	31	12	34	9	38	9	30	4	34	9	34	17	47	11	34
45	Nov. 3-9 -	23	25	36	30	38	33	35	37	39	33	28	39	35	34	36	31	31	34	50	38	47	30	46	34	41	34	41	47	38	34
46	10-16 -	23	26	37	30	32	32	41	37	34	33	43	39	39	34	22	31	37	34	38	39	35	30	24	34	32	34	53	47	36	34
47	17-23 -	5	25	30	30	22	33	30	37	17	32	32	39	26	34	15	31	27	34	28	38	34	30	19	34	25	33	36	47	25	34
48	Nov. 24-30 -	21	25	18	30	7	33	7	37	8	32	11	39	11	34	20	31	11	34	11	38	21	30	15	34	15	33	13	46	13	34
	Autumn Percentages.	24		29		28		29		26		32		29		25		27		31		28		28		28		37		29	
49	Dec. 1-7 -	6	25	7	29	11	33	10	36	9	32	8	38	9	34	1	30	4	33	6	38	7	30	9	33	6	33	8	46	8	33
50	8-14 -	15	25	25	29	10	32	6	36	9	31	5	38	12	33	17	30	13	33	15	37	35	30	34	33	23	33	14	45	17	33
51	15-21 -	20	25	23	29	24	32	22	36	20	31	26	38	22	33	11	30	12	33	23	37	23	30	21	33	18	33	29	45	20	33
52	Dec. 22-28 -	10	25	25	29	21	32	18	36	18	31	23	37	22	33	26	30	20	33	21	37	15	30	21	33	22	32	23	45	22	33

Meteorological Office,
South Kensington, London, S.W.7.

April 29th, 1919.